

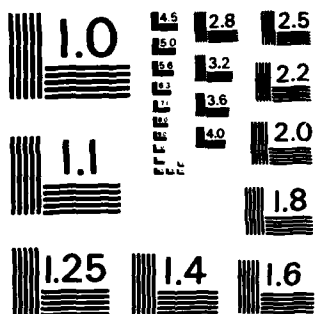
SHIP READINESS AND PERSONNEL ATTRIBUTES IN (DD 963)
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MICROCOPY RESOLUTION TEST CHART
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NAVAL POSTGRADUATE SCHOOL

Monterey, California

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THESIS

SHIP READINESS
AND PERSONNEL ATTRIBUTES
IN (DD 963) SPRUANCE CLASS SHIPS

by

Jeffrey R. Crane

June 1984

Thesis Advisor:

W. E. McGarvey

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Ship Readiness
and Personnel Attributes
in (DD 963) Spruance Class Ships

by

Jeffrey R. Crane
Lieutenant Commander, United States Navy
B.S., University of Utah, 1970

Submitted in partial fulfillment of the
requirements for the degree of

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ABSTRACT

This analysis examines the relationship between ship readiness and the personnel attributes of the personnel assigned to seventeen Spruance Class destroyers. Equipment history as defined in the Consolidated Casualty Reporting System is used as a proxy of ship history. Older, more experienced, and higher-quality personnel assigned in the correct numbers are hypothesized to effect higher ship readiness (lower equipment casualties and lower associated equipment down time). Results from the analysis generally tend to support the hypothesis. However, as with previous analysis, the amount of variation attributable to personnel differences appears to be small when compared to the differences attributable to ship and command differences. Examining ship readiness with respect to the CASREP system does not produce strong enough personnel relationships in which to base future strategic planning, suggesting that other avenues should be examined.

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I. INTRODUCTION

In recent years Congress has imposed on the Department of Defense a requirement to show the relationship between proposed resources and readiness. This requirement calls for quantifiable and measurable effects upon readiness for resources obtained. In the Navy, a ship's readiness is measured against many different yardsticks. Readiness is defined as the degree to which a unit is capable of performing the wartime mission(s) for which it is organized, designed or tasked. Implicit within this definition are the many indices, inspections, competitions and unofficial Naval traditions by which a ship is evaluated.

The problem of why one ship is more effective, performs better and has a higher degree of readiness than another ship has been a heavily debated question. It has long been recognized that while certain ships have a sustained reputation of superior performance, other ships never seem to be able to make the grade. The question of ship readiness is clouded in issues such as ship equipment differences; even between ships of the same class, differences in Commanding Officer philosophies, quality of personnel assigned, and the quantity of personnel needed to effectively maintain and fight the ship.

Even more basic, is the question of what criteria defines effective ship performance? By some standards, just the ability to get underway and meet all operational commitments is the measure of a successful ship. Most ships are subject to several different periodic inspections such as the Fleet Commander's Propulsion Examining Board, the Combat System Readiness Review, or the Squadron Commander's Unit Inspection. The successful completion of all these major

inspections or perhaps more appropriately the not failing any phase of these inspections is considered by many a successful measure of a capable and ready ship. Another highly visible measure of the success of a ship is the ship's performance with respect to the Type Commander's Battle Readiness Competition. The mission area awards and the Squadron Commander's Battle Efficiency Award are highly sought after and can, by some, be deemed an important measure of a Commanding Officer's success.

Some of the above efforts to measure readiness fall under the heading of operational readiness, where attention is mainly focused on operations that a ship is required to perform. Others fall under the heading of material readiness where attention is mainly focused on physical objects. Barizily, Marlow, and Zacks [Ref. 1] state that most measures of readiness used in the Navy are static measures that provide counts of people, equipment or hours of training. Their capability or effectiveness in doing a job is not necessarily addressed.

Given the above problems with the present measures of readiness, the major difficulty in any personnel characteristic to readiness analysis is separating those readiness measures attributable to ship, material and command effects from those measures truly attributable to personnel effects. It is important to measure readiness across a broad spectrum of the ship's missions, using standardized terminology and definition and developing suitable methods for relating readiness to personnel resource inputs.

The quality versus quantity questions of recruiting, selection and manning, when placed in the context of today's changing Navy, pose serious and potentially costly consequences if the wrong course of action is taken. With the trend in the Navy's newest classes of ships towards more complex and highly automated systems, higher quality

personnel in lesser numbers seems to be indicated. However, with the more complex systems being installed in today's ships, a change in maintenance philosophy towards modular replacement has also occurred. This new maintenance philosophy would seem to have less need for higher quality personnel. Consequently which path, higher or lower quality personnel, would be the best course for the Navy to follow in the future? Additionally, given the rising personnel costs with respect to training, compensation and retirement what optimum experience, pay grade and skills mix will produce optimum ship readiness? As the Navy expands towards the 15 battle group concept within the environment of a shrinking available manpower pool, accurate answers to the above manpower questions are critical to effective manpower policy and planning.

Only in recent years have researchers tried to find the relationship between ship readiness and personnel attributes. A Center for Naval Analysis (CNA) study, Horowitz and Sherman [Ref. 2], concluded that higher quality personnel are more valuable on ships with more complex equipment. On ships with relatively simple equipment, however, having a full complement of personnel might be more valuable. An earlier CNA study, Horowitz and Sherman [Ref. 3], concluded that entry test scores appear to be more consistent predictors of maintenance effectiveness than high school graduation status, and that a sailor's length of service was frequently a significant determinant of a ship's condition. Both of these CNA studies used as a criterion of readiness the data contained within the Consolidated Casualty Reporting System (CASREP).

Personnel turbulence or crew turnover has long thought to be a primary cause of low readiness in Navy ships. Reeves [Ref. 4] found no consistent significant relationship between levels of turnover and ship performance. However,

he did conclude that the question does deserve continued examination.

May [Ref. 5] again used CASREP data as the basis for the criterion. This study used the personnel characteristics of the ratings within the engineering department in 17 Spruance class destroyers. Few significant relationships were found in the study and in some cases where relationships did prove significant, the results contradicted some of the results obtained in previous studies.

May, McGarvey, and Elster [Ref. 6] have expanded May's [Ref. 5] analysis to include three separate classes of ships, the DD 963 Spruance class destroyers, the DDG 2 Adams class guided-missile destroyers, and the CG 16/22 Leahy/Belknap classes of guided-missile cruisers. Only personnel in 12 select ratings were included in the analysis. Additionally, whereas May [Ref. 5] included all a ship's CASREPs while examining just the personnel of the engineering department, May et al. [Ref. 6] matched CASREPs to the ratings most responsible for maintaining the effected equipment. As with May's [Ref. 5] findings, few predictors proved to be consistently significant across ratings and ship classes. Also, some predictors, such as crew turbulence, proved to be counter-intuitive indicating that greater crew turn-over leads to higher readiness.

This analysis will examine criteria of ship readiness against personnel attributes continuing with and building upon the basic models of May [Ref. 5] and May et al. [Ref. 6]. As with the previous models the basic premise for this model is that older, more experienced, higher quality personnel, if assigned in the requisite numbers as defined by the Ship's Manning Document (SMD), will cause the ship to have a higher degree of readiness. Equipment maintenance history in the form of the equipment casualty reports found in the CASREP system was matched to the personnel attributes

of the personnel assigned to seventeen Spruance class ships. Table 1 lists the seventeen ships included in this study.

The Spruance class ships are one of the newest of the Navy's destroyer type ships and are designed with highly sophisticated electronics and many automated systems. This class of ships, even though almost the same size as the older classes of cruisers, are manned with approximately one-half the crew. Additionally, all the Spruances were built in the same shipyard and since they became operational, close control has been placed on equipment and ship modifications making this ship class as nearly identical from one ship to another as possible. Finally, the Spruance hull and engineering systems form the basis for most of the Navy's new and projected cruisers-destroyers. Since one of the major problems in any study of this type is the ability to control for ship differences and since the Spruances are as close to identical as any ship class afloat, only the Spruance class of destroyers were used in this study vice the three classes of cruisers-destroyers used in the May et al. [Ref. 6] analysis.

Part of the Surface Warfare Officer's folklore is the belief that a ship in a deployed status "operates" at a higher tempo and has less equipment casualties. The theory is that this "higher" degree of readiness stems from the ship being underway for greater continuous periods of time. Consequently, the ship is more able to manage its time when not continuously encountering homeport distractions resulting in better quality training and equipment maintenance. Since the higher readiness theory while on deployment is as strong as it is in the Surface Warfare Community, this analysis included a predictor for deployment effects that the previous models had not included.

A third major difference between this analysis and those of May [Ref. 5] and May et al. [Ref. 6], is the redefining

TABLE 1
List of Ships

<u>Ships</u>	<u>Hull Number</u>
USS Spruance	DD-963
USS Paul F. Foster	DD-964
USS Kirkaid	DD-965
USS Hewitt	DD-966
USS Elliott	DD-967
USS Arthur W. Radford	DD-968
USS Peterson	DD-969
USS Caron	DD-970
USS David R. Ray	DD-971
USS Oldendorf	DD-972
USS John Young	DD-973
USS Comte de Grasse	DD-974
USS O'Brien	DD-975
USS Merrill	DD-976
USS Briscoe	DD-977
USS Stump	DD-978
USS Conolly	DD-979

of the ship manning variable. Previously, an independent variable called 'fill ratio' was included in the equations. This variable was the percentage of personnel actually onboard, by rating, as compared to the number of personnel authorized to be onboard by the Ship's Manning Document. In order to try to capture more of the "experience" issue, this analysis divided the fill ratio variable previously used into two parts. One variable, called UFILL, is designed to see what the effects of manning at the E-6 and above level has on readiness and the second variable, called LFILL, is concerned with the effects of the E-5 and below personnel.

Even though many ratings will have both an E-6 and an E-7 (or greater) authorized, it was thought that the E-6 and above represents the rating expert, the administrator, and the primary trainer for the junior members of the rating and thus his absence may be felt greater than a more junior serviceman.

II. DATA

A. DATA BASES

Three data bases were utilized in this analysis. The first data base was supplied by Ships Parts Control Center (SPCC), Mechanicsburg, PA. This data contained the equipment history of the seventeen ships in question as reported in the Consolidated Casualty Reporting System (CASREP) for the period 30 September 1976 to 31 March 1983, a total of 27 quarters.

The CASREP system is the ship's vehicle for informing the chain of command, the Naval supply system and the engineering design and assistance community that an equipment failure has occurred which directly affects the ship in a primary mission area. Reported by the individual ships, SPCC, Mechanicsburg compiles the CASREPs. Equipment casualties are classified in terms of a severity rating. The severity codes are as follows:

C-2 - (Substantially Ready) A deficiency exists in mission essential equipment which causes a minor degradation in any primary mission area.

C-3 - (Marginally Ready) A deficiency exists in mission essential equipment which causes a major degradation but not the loss of any primary mission area.

C-4 - (Not Ready) A deficiency exists in mission essential equipment that is worse than C-3 and causes a loss of at least one primary mission area.

In addition to the severity of the equipment casualty, other measures of readiness such as total hours the equipment was not fully operational, total hours in which the

casualty was being corrected, if technical assistance was requested and the suspected cause of the casualty are included.

The second data base was created from information provided by the Defense Manpower Data Center (DMDC). This file contains the personnel attributes of the personnel assigned to the seventeen ships during the 27 quarters in question as extracted from their personnel files by DMDC. Application of the extraction procedures resulted in a total of 14,622 men that had served aboard the ships during the 27 quarters. For each case in this file, the information contained includes their: (1) Armed Forces Qualifying Test (AFQT) score; (2) whether they had a high school degree; (3) age at accession; (4) present age; (5) paygrade; (6) years of active duty; (7) number of months in their current paygrade; (8) a label called "returner" indicating whether they had served in that rating aboard that ship in the prior quarter; (9) a label called "uratee" indicating if the serviceman was an E-6 or above; and (10) a label called "lratee" indicating if the serviceman was an E-5 or below.

Next aggregation by rating on these variables was conducted utilizing a "production macro". The program selected those cases by rating who were assigned during one of the 27 quarters. Then, by quarter and by ship, selected attributes associated with that rating were aggregated and central tendency measures (medians) computed. The attributes for which medians were computed were high-school degree, AFQT scores, entry ages, present ages, paygrades, years of active duty, and months in current paygrades. Additionally, for the labels LRATEE and URATEE a sum is computed indicating the number of personnel in each category actually assigned to each ship each quarter. Then the aggregated measures for a given rating within a ship and within a quarter are merged by ship and quarter, and written to a new file.

A third data base was also generated by DMDC and included, by rating, the number of personnel each ship was authorized as provided by CPNAV-914 from the Ship Manning Document (SMD). Data in this file, by rating, included (1) number of personnel authorized; (2) number of personnel assigned; (3) the number of personnel E-6 and above authorized; and (4) the number of personnel E-5 and below authorized.

E. DEPENDENT VARIABLES

Eleven criteria were computed from the CASREP data. The criteria chosen are noted in Table 2. The variables total CASREPs (K1), total Level-2 CASREPs (K2), total Level-3 CASREPs (K3), and total Level-4 CASREPs (K4) were drawn directly from the information provided on the SPCC tape; as were calls for outside technical assistance (TECHASS).

The variables M (number of hours the equipment was down due solely for maintenance), S (number of hours the equipment was down awaiting the receipt of the necessary corrective parts), and T (total number of hours the equipment was down) were computed using information contained within the CASREP message. For example T, was computed by subtracting the date time group of the CASREP message from the date time group of the Casualty Correction (CASCOR) message.

INDEX01 is a "readiness" index derived by May et al. [Ref. 6]. It is parallel to the "mission essential material readiness and condition" (MEMRAC) index computed by SPCC, but is slanted more toward maintenance downtime. INDEX01 was computed as follows:

$$\text{INDEX01} = \text{Log}((.1 \times \text{K2} \times \text{M}) + (.5 \times \text{K3} \times \text{M}) + (1.0 \times \text{K4} \times \text{M})) / 10$$

The underlying principle with this index is that downtime associated with more severe CASREPs (Level-4) should be weighted most heavily, followed by the next most severe

TABLE 2
Dependent Variables

K1	Total number of CASREPs submitted by a ship
K2	Number of Level-2 CASREPs
K3	Number of Level-3 CASREPs
K4	Number of Level-4 CASREPs
TECHASS	Nr of technical assistance calls requested
INDEX01	Readiness Index 01 (NPS)
MEMRAC	Readiness Index (SPCC)
PRSCAUSE	Nr of presumed personnel-based casualties
M	Total downtime for maintenance (hours)
S	Total downtime awaiting parts (hours)
T	Total downtime (hours)

CASREPs (Level-3) receiving a lesser weight, and those least severe CASREPs (Level-2) having their downtime weighted least, May et al. [Ref. 6]. Whereas the INDEX01 index utilizes Level-2, Level-3 and Level-4 CASREPs, the MEMRAC index is found utilizing only weighted values of Level-3 and Level-4 CASREPs.

Prscause is the number of presumed personnel-based CASREPs. Each Casualty Report contains a "cause code". The following cause codes were included in the PRSCAUSE criterion: (1) repair/overhaul inadequate; (2) personnel error; (3) personnel shortage; (4) grounding; (5) collision; (6) lost; (7) sabotage, or suspected deliberate damage; and (8) unknown. Unknown was included because of the possibility that a ship might not wish to admit personnel error.

Also included in the CASREP message is an Equipment Identification Code (EIC) which specifies the effected equipment. A standard listing of EIC's was obtained and each EIC was assigned to the rating most likely to be responsible for maintaining the equipment. Then a sort by EIC of the CASREPs by quarter and by ship was conducted matching the CASREPs to the ratings most likely to be responsible for the effected equipment. In the May et al. [Ref. 6] analysis, this "match" of ratings to EIC was conducted using the philosophy that if a rating to EIC match

was in doubt it was included as part of the data for that rating. The present analysis chose to take the more conservative view, in that if doubt existed in an EIC to rating match, the EIC was excluded from the analysis. As a result, some ratings' EIC records experienced a 10 to 20 percent reduction in the number of observations. However, because of the large volume of data present, all ratings contained enough observations to conduct statistical studies.

In the previous study by May et al. [Ref. 6], it was not uncommon for the variable T (total hours downtime) to have a large standard deviation. Since the data in not only the CASREP file, but also the personnel attributes file is aggregated by quarter, it was thought that for those cases with a large "total hours of downtime" an appropriate relationship between a CASREP and the personnel responsible for correcting the equipment deficiency was not possible if the CASREP was not corrected until the following quarters. (CASREPs were included in the quarter in which the casualty report was filed.) To better screen for this potential confound, a maximum of 2000 hours was used as a rough measure of one quarters available maintenance hours. An additional sort of the CASREP data was conducted, then keeping only those cases in which the total downtime was less than 2000 hours. After this sort, standard deviation for T, for most ratings, ranged from 800 to 1400 hours downtime.

C. INDEPENDENT VARIABLES

The personnel characteristics chosen as independent variables are shown in Table 3. These characteristics were chosen in line with the basic hypothesis that older, more experienced, higher quality personnel in the required numbers as defined by authorization, would improve readiness (decrease the number and severity of the casualties).

With the exception of the variables HSDG, LFILL, and UFILL, for each of the variables, the median of the variable was used. The median was deemed to be relatively robust with respect to the potential for outlying observations. For ESDG, a percentage of high school graduates onboard by rating was used. The median was initially used, but for HSDG it was found that the median was almost always a high school education.

TABLE 3
Personnel Characteristics Variables

HSDG	The percentage of high school graduates
AFCT	Armed forces qualification test scores
ENAGE	Entry Age
PRAG	Present Age
PAYGE	Paygrade
YEACD	Years of active duty
TMEGH	Time in grade
LFILL	Percent onboard of authorized--E-5 and below
UFILL	Percent onboard of authorized--E-6 and above

For the remaining two variables, LFILL AND UFILL, a percentage was also used. LFILL equals the ratio of those personnel who are E-5 and below who are actually onboard to those personnel who are E-5 and below who are authorized to be onboard by the SMD. UFILL equals the ratio of those personnel who are E-6 and above who are actually onboard to those personnel who are E-6 and above who are authorized to be on board by the SMD.

III. ANALYSIS

A. METHOD

A standard block multiple regression analysis was used to determine the significance of the independent variables to one of the dependent variables. For each rating under investigation, and for each of the eleven dependent variables, a model was developed utilizing the nine personnel characteristics variables. In addition, the new ship effect variable, deployment, was included in each of the models. Consequently, 121 regressions (11 by 11) were computed. Appendix A contains the regression production program.

Given the great number of regressions computed and the corresponding large number of coefficients for consideration, the following criteria were used to determine which coefficients to base any interpretation upon. First, the overall R^2 's for each of the 121 equations had to meet or exceed the $p < .05$ criterion of statistical significance. Table 4 contains the prob-values for each of the equations and Appendix B contains those models which met the significance test. Second, the regression coefficient had to meet or exceed the conventional $p < .05$ criterion in absolute value associated with a t -test.

B. ANALYSIS

Even though the Spruance Class destroyers are as nearly identical as any class of ship in the fleet today, the first step was to attempt to control for the individual ship differences. To accomplish this, effect-coded variables were derived (-1, 0, +1). The effect-codes provided an estimate or reflection of when any one of the ships deviated

TABLE 4
P-values Associated with R²

<u>Dependent Variables</u>	<u>Ratings</u>					
	<u>GSM</u>	<u>HT</u>	<u>IC</u>	<u>EM</u>	<u>EN</u>	<u>STG</u>
K1	.0024	.0001	.0001	.0081	.0001	----
K2	.0059	.0001	.0001	.0383	.0001	.0457
K3	.0377	----	----	.0200	.0030	----
K4	----	----	----	----	.0308	----
INDEX01	.0001	.0001	.0001	.0060	.0001	----
MEMRAC	.0348	.0411	----	.0071	.0002	----
PRSCAUS	----	.0428	----	.0228	----	----
TECHASS	----	----	.0479	----	----	----
M	.0001	.0001	.0054	.0270	.0079	----
S	----	----	----	----	.0042	.0491
T	.0049	.0005	.0056	----	.0006	----
	<u>FIM</u>	<u>FTG</u>	<u>GMT</u>	<u>ET</u>	<u>DS</u>	
K1	.0011	.0001	.0001	.0001	.0006	
K2	.0001	.0014	.0001	.0001	.0009	
K3	----	.0001	----	----	----	
K4	----	----	*	.0464	----	
INDEX01	.0018	.0001	.0036	.0001	.0025	
MEMRAC	----	.0001	----	----	.0209	
PRSCAUS	----	----	.0199	.0001	.0087	
TECHASS	----	.0010	.0151	.0043	.0010	
M	.0019	----	----	.0001	----	
S	----	.0001	.0001	.0001		
T	.0027	.0001	.0002	.0001	.0101	

* No level-4 CASREFs were reported for the GMT rating.

greatly from the mean, either greater or lower, with respect to any one of the readiness criterion.

An overhaul variable was also included in the models. This variable was added to better "control" for the individual ship differences. When a ship enters an overhaul period, it traverses three stages as far as the CASREP system is concerned. Just prior to overhaul, the ship maybe identifying more equipment than normal to the CASREP system so that during overhaul these problems will be corrected i.e. money and parts which might not have been available can be found to correct those problems not previously funded. Second, during an overhaul period, a ship usually does not submit or submits very few CASREPs since the ship is not in an "operational" status. Third, during the later stages of an overhaul, the ship desires to make the chain of command aware of potential problems which will effect her readiness upon leaving the overhaul period. All of the ships included in this study spent at least some portion of the 27 quarters in an overhaul availability. Therefore, the dichotomous dummy variable OVERHAUL was added to take into account those quarters that the ships were in an overhaul period.

The Spruance destroyers are a relatively new class of ships, with the lead ship being commissioned in 1975. As part of this new construction process, the ship builder established a warranty period in which he was responsible to correct any contractor design and construction related deficiencies. Because of this warranty period, it was postulated that a ship might submit more CASREPs than normal to both document contractor responsible deficiencies and to get contractor aid in the correction of equipment casualties. Consequently, the variable PREWRNTY was included in the model to taken into account the period when a ship was in the contractor warranty period.

A length of service variable (SERVICE) was also included in the model. Even though these ships are relatively new and it is hoped that in the nine years since the lead ship

was commissioned, a significant deterioration over time would not be evident, it was thought some deterioration might occur and thus this variable was included.

The last ship "effect" variable to be included in the model is DEPFLT. This variable attempts to control for any effects that might be introduced because the ship is in a deployed status i.e. out of homeport and assigned to a fleet other than one of the CONUS fleets. A ship's deployment status was determined from the CASREP message using the "operational fleet assigned" codes. If a ship was assigned to either the Sixth Fleet or the Seventh Fleet, it was considered on deployment. This variable was not included in either the May [Ref. 5] or the May et al. [Ref. 6] models. It was included in this analysis because of the common belief of the Surface Warfare community that a ship once on deployment has less CASREPs and operates at a higher degree of readiness.

C. ANALYSIS BY RATING

Table 5 summarizes the results from the regression analysis. Table 5 is divided into two categories, intuitive results and counter-intuitive results. The intuitive results support the hypothesis that higher quality personnel, more experienced personnel and being manned to at least authorized manning levels enhances readiness (decreases CASREPs, and decreases hours down for casualty correction). Tables 6 and 7 provides a frequency analysis of Table 5. Following is a rating by rating summation of the results:

Electronics Technician (ET):

Higher readiness was associated with Electronic Technicians who have been in the service longer, entered the service at an older age, have a greater time in grade and

TABLE 5
Readiness Coefficients

	<u>Intuitive Results</u>	<u>Counter-Intuitive Results</u>
<u>FT Rating</u>		
K1	YRACD	DEPLOY
K2	YRACD	DEPLOY
INDEX01	YRACD	
PRSCAUS	TMEGR	PRAGE
TECHASS	ENAGE	DEPLOY
	TMEGR	
<u>FTG Rating</u>		
K1	AFQT	LFILL
K2	AFQT	
K3	DEPLOY	LFILL
	HSDG	
INDEX01	HSDG	LFILL
	AFQT	
MEMRAC	DEPLOY	LFILL
TECHASS	HSDG	
	UFILL	
S		LFILL
T	AFQT	LFILL
<u>FTM Rating</u>		
INDEX01	UFILL	PRAGE
M	ENAGE	PRAGE
	PAYGRD	
S	PAYGRD	
T	PAYGRD	
<u>ES Rating</u>		
K2	UFILL	
MEMRAC		ENAGE
PRSCAUS		LFILL
TECHASS	UFILL	
S	UFILL	
T	UFILL	
<u>STG Rating</u>		
K2		TMEGR
M		DEPLOY
		TMEGR
<u>IC Rating</u>		
K1		DEPLOY
K2	PAYGRD	DEPLOY
TECHASS	PAYGRD	
<u>FM Rating</u>		
K2		DEPLOY
K3	AFQT	
MEMRAC	DEPLOY	
	AFQT	
PRSCAUS	UFILL	
M	UFILL	

TABLE 5 (cont'd)

	<u>Intuitive Results</u>	<u>Counter-Intuitive Results</u>
<u>GMT Rating</u>		
K1	HSDG PRAGE LFILL	ENAGE
K2	HSDG PRAGE PRAGE	
INDEX01	PRAGE	
PRSCAUS	HSDG	
TECHASS	HSDG PRAGE	
S	PRAGE	ENAGE
T	PRAGE	ENAGE
<u>FN Rating</u>		
K1		DEPLOY ENAGE
K2		DEPLOY ENAGE
K4	AFOT ENAGE	YRACD
INDEX01	PRAGE	ENAGE
M	PRAGE	ENAGE
T	PRAGE	
<u>GSM Rating</u>		
K3	DEPLOY	
MEMRAC	DEPLOY	
S	HSDG	
<u>ET Rating</u>		
K1		DEPLOY
K2		DEPLOY
INDEX01		DEPLOY
MEMRAC	AFQT	

are presently younger. Total numbers of CASREPs, total Level-2 CASREPs and the N.P.S. readiness index all were improved by having ET's who had increased years of active duty. Fewer personnel-based caused CASREPs were associated with ET's who were younger and who had more time-in grade. Fewer technical assistance requests were filed by ET's who were older when they entered the Navy and who had a greater time in grade. Contrary to the belief that being on deployment increases readiness, for the ET's, the total number of CASREPs, the number of Level-2 CASREPs and the number of technical assistance requests increased during a deployment.

TABLE 6
Frequency Distributions

Intuitive Results

Rating

	<u>Frequency</u>	<u>Percent</u>
GMT	11	21.15
FTG	10	19.23
ET	6	11.54
FTM	5	9.62
EM	5	9.62
EN	5	9.62
DS	4	7.69
GSM	3	5.77
IC	2	3.85
HT	1	1.92
STG	0	0.0

Personnel Attributes/Deployment

	<u>Frequency</u>	<u>Percent</u>
Present age	9	17.31
Percent E-6 and above onboard	8	15.38
High school degreed	8	15.38
AFCT Percentile	8	15.38
Deployment	5	9.62
Paygrade	5	9.62
Years of Active duty	3	5.77
Age at Entry	3	5.77
Time in grade	2	3.85
Percent E-5 and below onboard	1	1.92

Readiness Measures

	<u>Frequency</u>	<u>Percent</u>
Total Level-2 CASREPs	7	13.46
Nr of Technical Assist Calls	7	13.46
NPS Readiness Index	6	11.54
Total Number of CASREPs	5	9.62
Total Downtime Hours	5	9.62
SPCC Readiness Index	5	9.62
Maintenance Downtime	4	7.69
Supply Downtime	4	7.69
Personnel based CASREPs	3	5.77
Total Level-3 CASREPs	3	5.77
Total Level-4 CASREPs	2	3.85

TABLE 7
Frequency Distributions

Counter-Intuitive

<u>Rating</u>	<u>Frequency</u>	<u>Percent</u>
EN	7	21.21
FTG	6	18.18
ET	4	12.12
STG	3	9.09
GMT	3	9.09
HT	3	9.09
FTM	2	6.06
DS	2	6.06
IC	2	6.06
EM	1	3.03
GSM	0	0.0

Personnel Attributes/Deployment

	<u>Frequency</u>	<u>Percent</u>
Deployment	2	36.36
Age at entry	8	24.24
Percent E-5 and below onboard	7	21.21
Present age	3	9.09
Time in grade	2	6.06
Years of active duty	1	3.03

Readiness Measures

	<u>Frequency</u>	<u>Percent</u>
Total CASREPs filed	7	21.21
Total Level-2 CASREPs filed	7	21.21
NFS Readiness Index	4	12.12
Maintenance downtime	4	12.12
Supply downtime	2	6.06
Total downtime hours	2	6.06
Total Level-3 CASREPs	1	3.03
Total Level-4 CASREPs	1	3.03
SPCC Readiness Index	1	3.03
Personnel-based CASREPs	1	3.03
Technical Assistance calls	1	3.03

Fire Control Technician (Guns) (FTG):

The high school graduate, the higher quality person as indicated by A.F.Q.T scores, being on deployment and having the required numbers of E-6 and above personnel assigned were all associated with enhanced readiness in the FTG rating. With better A.F.Q.T scores, the number of Level-2 CASREPs, the total number of CASREPs, and the total hours of downtime were all decreased. The number of Level-3 CASREPs were decreased by having high school degreed personnel and by being on deployment. The M.P.S readiness index was lowered by personnel with increased A.F.Q.T scores and more high-school degreed personnel. The number of technical assistance requests were decreased by increased numbers of high school degreed personnel and by increased numbers of E-6 and above FTG's onboard.

The total number of CASREPs, the number of Level-3 CASREPs, the number of hours awaiting supply parts and the total hours the equipment is down were all decreased with a lesser number of E-5 and below personnel. This counter-intuitive result appeared in only one other rating, Data System Technician, but was strongest for the FTG rating. Given the strong E-5 and below counter-manning indication and the strong quality and E-6 and above intuitive manning indication, an argument might be made, at least for the FTG's, for more experienced high quality personnel in the more senior paygrades.

Fire Control Technician (Missile) (FTM):

The results of the analyses for the FTM's seems to follow the experience argument of the FTG's. Higher paygrades, older age upon entering the service and a younger present age with the required numbers of E-6 and above personnel all led to enhanced readiness. The number of hours down for maintenance, the hours awaiting supply parts and the total hours down for repair were all decreased with

increased pay grade. In addition, personnel who were older when they entered the Navy, and relatively younger personnel decreased hours down for maintenance. The N.P.S. readiness index was improved by younger personnel and manning with E-6 and above personnel.

Data System Technician (DS) :

As with the May et al. [Ref. 6] analysis for the Data System Technician, manning appeared to be the key issue associated with increased readiness. Manning at the E-6 and above level led to a lesser number of Level-2 CASREPs, a lesser number of calls for technical assistance, decreased hours awaiting for supply parts and decreased total time down. Younger personnel when they entered the service lowered the S.P.C.C. readiness index. Also, a lesser number of E-5 and below personnel was associated with a decrease in the number of personnel-based caused CASREPs.

Sonar Technician (Surface) (STG) :

Increased readiness for the STG rating was associated with a shorter time in grade and not being on deployment. A decrease in the number of Level-2 CASREPs filed and the time the equipment was down for maintenance occurred with a decrease in the time spent in grade. Additionally, being on deployment increased the hours down for maintenance.

Interior Communications Electrician (IC) :

For the IC rating, enhanced readiness was associated with higher paygrades and as with the STG's not being on deployment. The number of technical assistance requests and the number of Level-2 CASREPs decreased with increased paygrade. However, the number of Level-2 CASREPs as well as the total number of CASREPs increased while on deployment.

Electricians Mate (EM) :

Higher quality personnel and being mannel with the required numbers of E-6 and above personnel enhanced readiness for the EM's. Better A.F.Q.T. scores were

associated with decreased numbers of Level-3 CASREPs and a decreased S.P.C.C. readiness index. Increased manning at the E-6 and above level decreased the number of personnel-based CASREPs and the number of hours down for maintenance. For the EM's, being on deployment seemed to produce conflicting results since deployment decreased the S.P.C.C. readiness index while increasing the number of Level-2 CASREPs filed. The S.P.C.C. readiness index is a function of the number of Level-3 and Level-4 CASREPs and the associated downtime. While being on deployment increased the number of Level-2 CASREPs, on the aggregate, the number of Level-3 and Level-4 CASREPs and the associated downtime spent correcting the casualties decreased.

Gunnery Mate technician (GMT):

The GMT rating had increased readiness with older, high school graduates who were younger when they entered the service. The total number of CASREPs filed, total number of Level-2 CASREPs filed as well as the number of technical assistance requests all decreased with more high school graduates and older personnel. Older personnel also decreased the N.P.S. readiness index, the hours spent awaiting supply parts and the total hours the equipment was down. In addition, the total number of CASREPs, the hours awaiting supply parts and the total hours down all decreased with GMT's who entered the service at an earlier age. One other personnel characteristic was significant for the GMT's. An increase in the number of E-5 and below personnel decreased the total number of CASREPs filed.

Engineers (EN):

Increased readiness for the EN's was associated with older, higher quality personnel and not being in a deployed status. Older present age led to a decrease in the N.P.S. readiness index, a decrease in the total number of hours the equipment was down for maintenance and a decrease in the

total number of hours the equipment was down. A younger age at enlistment was associated with a decrease in the total number of CASREPs filed, the total Level-2 CASREPs filed, the N.P.S. readiness index and the number of hours down for maintenance. Total Level-4 CASREPs filed decreased with increasing A.F.Q.T. scores and with decreasing years of active duty. Total CASREPs filed and the total number of Level-2 CASREPs filed increased when on deployment. An apparent anomaly existed in the EN analysis. Older age personnel at enlistment tended to have lower Level-4 CASREPs which was counter to the findings noted for the less severe CASREPs.

Gas Turbine Systems Technicians (Mechanical) (GSM):

Increased readiness for the GSM's was associated with more high school degreed personnel and with being on deployment. Serious CASREPs as indicated by the S.P.C.C. readiness index and the number of Level-3 CASREPs filed, decreased for the GSM's while on deployment. The number of hours down awaiting supply parts decreased with an increased number of high school graduates.

Hull Technicians (HT):

Being in a deployed status led to a decrease in readiness for the Hull Technician rating. While increased A.F.Q.T. scores improved the S.P.C.C. readiness index, being on deployment led to an increase in the total number of CASREPs filed, the total Level-2 CASREPs filed, and the N.P.S. readiness index.

IV. CONCLUSIONS AND RECOMMENDATIONS

A closer examination of Tables 6 and 7 tends to support the initial hypothesis that an older, more senior, higher quality force manned at authorized manning levels will lead to increased readiness. Almost 64 percent of those personnel attributes which were intuitively significant fall into the older, experience, quality category i.e. present age, percent E-6 and above onboard of authorized, high school degreed and A.F.Q.T. percentile. The personnel attribute "present age", however, only seemed to matter for two ratings, GMT and EN. Both of these ratings are similar in that both are concerned primarily with hydraulically and electrically run mechanical equipment. An examination of the counter-intuitive results reveals that a serviceman's age at entry was also significant a relatively large portion of the time. However, as with the attribute present age, age at entry is also associated almost entirely with the GMT and the EN ratings. Consequently, at least for these two ratings, an argument may be made that for enhanced readiness personnel should be older when they enter the service and have an older present age.

Consistent with May [Ref. 5] and May et al. [Ref. 6], both the personnel attributes high school degreed and A.F.Q.T. percentile were also significant a relatively large portion of the time. Additionally, these attributes were not confined to any one rating, but were found in a variety of ratings and occupational categories. The attribute "paygrade" is the fifth most active intuitively correct predictor. "Paygrade", like high school degreed and A.F.Q.T. percentile was not found significant in any one particular rating. Combining these three attributes, the

intuitively appealing picture that emerges is that a more senior force (as defined by paygrade) and a higher quality force (as defined by high school degree and A.F.Q.T.) will enhance ship readiness.

Both the manning level characteristics were found to be good predictors of readiness. The two predictors were originally defined on the basis of percent of authorized onboard, by rating, who are the organizers, trainers, and administrators (E-6 and above); and the percent of authorized personnel onboard by rating who are the maintainers (E-5 and below). The E-6 and above characteristic, when significant, was always intuitively correct i.e. the more E-6 and above personnel, the better the readiness, and was found across several ratings (all electrically oriented). The E-5 and below characteristic, when significant, was almost always counter-intuitive i.e. a decrease in the number of E-5 and below personnel and an increase in readiness would result. Unlike the E-6 and above characteristic, the E-5 and below characteristic was found significant primarily with the FTG rating.

In the Spruance destroyers, the FTG's primary concern is the MK 86 Gunfire Control System. The Spruances were one of the first ships of the fleet to use this new gunfire control system. This new system was in many ways a radical change from the way the FTG's had been "doing business". The more senior FTG's were apparently more able to adapt and maintain this new equipment than the junior FTG's and consequently, were more critical to increased readiness. In fact in this case at least, the E-5 and below personnel were detrimental to readiness.

The predictor deployment was the final characteristic found to be significant a relatively large percentage of the time. While this predictor is not a personnel attribute or characteristic, some of the results from this analysis with

respect to this variable are worth noting. First, being on deployment was the single largest reason for decreased readiness. It effected a variety of ratings and occupational groups including ET, ST, IC, EM, EN, and HT. Second, an examination of the readiness criteria associated with the predictor deployment reveals that when the relationship of deployment to the criterion is counter-intuitive, the criterion is less severe, e.g., Level-2 CASREPs. When the relationship is intuitive, the criterion is at least Level-3 CASREPs or a criterion developed from the more severe CASREPs. Consequently, for several of the ratings, being on deployment means more Level-2 CASREPs, while for other ratings, being on deployment means less Level-3 CASREPs.

Speculation about this observation might be explained by the CASREP system. As part of the CASREP message, if parts are needed to correct the equipment casualty, the requisitioning of the part may be included in the CASREP message. The priority the supply system attaches to the needed part is dependent on the severity of the equipment casualty. However, this priority changes with a change in deployment status. The priority for a supply part for a Level-2 CASREP while on deployment is the same as the priority for a Level-3 CASREP when not in a deployed status. Consequently, the increased number of Level-2 CASREPs experienced by several of the ratings, might be more a reflection of the Naval Supply system than an actual decrease in equipment readiness. Indeed, one might infer that the CASREP system is more accurately reporting supply parts and status than equipment readiness.

A major stumbling block to all of the analyses of this type has been the inability to fully control for ship differences. Table 8 contains the R-squared values for the equations used in this analysis. As can be seen from the

TABLE 8
Models R-square Values

<u>Dependent Variables</u>	<u>Ratings</u>										
	<u>GSM</u>	<u>HT</u>	<u>IC</u>	<u>EM</u>	<u>EN</u>	<u>STG</u>	<u>FTM</u>	<u>FTG</u>	<u>GMT</u>	<u>ET</u>	<u>DS</u>
K1	.18	.17	.26	.17	.25	.10	.15	.22	.20	.24	.15
K2	.17	.17	.26	.15	.23	.11	.17	.14	.17	.24	.15
K3	.15	.08	.11	.16	.18	.06	.10	.21	.09	.08	.10
K4	.10	.09	.10	.09	.15	.08	.07	.11	--*	.11	.09
INDEX01	.22	.19	.24	.17	.23	.09	.15	.19	.14	.20	.14
MEMRAC	.15	.11	.14	.17	.21	.07	.10	.25	.10	.09	.12
PRSCAUS	.14	.11	.13	.16	.14	.09	.08	.09	.12	.18	.13
TECHASS	.11	.09	.15	.13	.15	.09	.09	.15	.12	.13	.15
M	.22	.16	.17	.15	.17	.07	.15	.11	.08	.17	.10
S	.13	.09	.14	.11	.18	.11	.11	.18	.19	.21	.11
T	.18	.15	.17	.13	.20	.09	.14	.19	.16	.21	.13

* No Level-4 CASREPs were reported for the GMT rating.

Table, each of the models explain only from 10 to 30 percent of the variations of the readiness criteria. Results such as this have been obtained in most of the previous modeling where CASREP data is used as a measure of ship readiness irrespective of how the independent variables are defined or aggregated. Given the low R-squared values for this analysis, even though much effort was spent in attempting to control for ship differences, deployment, overhaul, warranty effects, and length of service, the contributions to the model by the personnel attributes remain relatively small.

While the CASREP data set is, in its present form, an attractive and easy vehicle around which analyses of this type can be conducted, to date firm conclusive results have not been forthcoming. Alternative measures of readiness are available; some combination of these alternative criteria, in combination with the CASREP data, should be explored if

the perscnnel attributes to ship readiness problems are to be fully understood.

APPENDIX A
REGRESSION 'PRODUCTION' PROGRAM

```

DATA TRANSFRM1; SET FILEIN2.SHIPINFO;
  U=UIC+0; DROP UIC; IF SHIPTYPE='DD';
DATA TRANSFRM2; SET TRANSFRM1; UIC=U; DROP U;
DATA TRANSFRM3; SET FILEIN3.AGGCASRP;
  U=UIC+0; DROP UIC; IF RATNGEIC='+++';
DATA TRANSFRM4; SET TRANSFRM3; UIC=U; DROP U;
PROC SORT BY UIC QUARTER;
DATA TRANSFRM5; SET FILEIN1.READY+++; U=UIC+0; DROP UIC;
DATA SPRUANCE; SET TRANSFRM5; UIC=U; DROP U;
PROC SORT
  BY UIC QUARTER;
DATA TRANSFRM6; SET FILEIN4.INISMD; U=UIC+0; DROP UIC;
DATA TRANSFRM7; SET TRANSFRM6; UIC=U; DROP U;

DATA COME1; MERGE
  SPRUANCE TRANSFRM4; BY UIC QUARTER;
DATA COME0; MERGE
  CCMB1 TRANSFRM2 TRANSFRM7; BY UIC;

  ARRAY Y (J) SRVQRT01-SRVQRT27;
    DO OVER Y;
      IF QUARTER=J THEN SERVICE=Y;
    END; DROP J SRVQRT01-SRVQRT27;
  ARRAY Q (R) QRTENEC1-QRTEND27;
    DO OVER Q;
      IF QUARTER=R THEN QRTDATE=Q;
    END; DROP R QRTEND01-QRTEND27;
  IF (WARRANTY-QRTDATE) GE 0 THEN PREWRNTY=1; ELSE
PREWRNTY=0;

*-----
IN THE NEXT SECTION, PREVIOUSLY 'MISSING' CASREP
DOWNTIME INFORMATION IS RECODED TO THE VALUE 0. COLLATERAL
ANALYSIS REVEALED SOME NON-OVERHAUL QUARTERS WITH
'MISSING' DOWNTIME DATA, SUGGESTING 'PERFECT' READINESS.
AS A CONSEQUENCE, ALL 'MISSING' CASREP INFORMATION IS
CODED ZERO UNDER THE ASSUMPTION OF INCLUDING A DUMMY
VARIABLE (VIZ., OVERHAUL) AS A CONTROL FOR OVERHAUL QUARTERS
IN ANY LINEAR MODEL.
*-----

  ARRAY X (I) K1 K2 K3 K4 INDEX01 MEMRAC PRSCAUSE
TECHASS F S T LRATEE URATEE; DO OVER X; IF X=. THEN X=0;
END; DROP I;

*-----
IN THIS SECTION THE VARIABLES UFILL AND LFILL ARE DEFINED.
*-----

UFILL+++=(URATEE/URATE+++)*100;
LFILL+++=(LRATEE/LRATE+++)*100;

*-----
IN THIS SECTION, THE VARIABLE OVERHAUL IS DEFINED.
*-----

IF ((UIC=574) AND ((QUARTER=1) OR (QUARTER=18) OR
(QUARTER=2))) THEN OVERHAUL=1;

```



```

IF ((UIC=575) AND ((QUARTER=18) OR (QUARTER=19))) THEN
CVERHAUL=1
IF ((UIC=586) AND (QUARTER=5)) THEN OVERHAUL=1
IF ((UIC=587) AND (QUARTER=22)) THEN OVERHAUL=1
IF ((UIC=588) AND ((QUARTER=1) OR (QUARTER=2) OR (QUARTER=3)
OR (QUARTER=6) OR (QUARTER=22) OR (QUARTER=23))) THEN
CVERHAUL=1
IF ((UIC=589) AND ((QUARTER=4) OR (QUARTER=9) OR
(QUARTER=26))) THEN CVERHAUL=1
IF ((UIC=590) AND (QUARTER=5) CR (QUARTER=9) OR
(QUARTER=10)) THEN CVERHAUL=1
IF ((UIC=591) AND (QUARTER=24)) THEN OVERHAUL=1
IF ((UIC=601) AND ((QUARTER=25) OR (QUARTER=26))) THEN
CVERHAUL=1
IF ((UIC=611) AND (QUARTER=13)) THEN OVERHAUL=1
IF OVERHAUL=. THEN OVERHAUL=0

```

IN THIS SECTION THE VARIABLE DEPFLT IS DEFINED TO CCNTROL
FOR SHIP EFFECTS DUE TO DEPLOYMENTS.

```

IF ((QUARTER=7) AND (UIC=575)) THEN DEPFLT=1
IF ((QUARTER=8) AND (UIC=575)) THEN DEPFLT=1
IF ((QUARTER=9) AND (UIC=575)) THEN DEPFLT=1
IF ((QUARTER=10) AND (UIC=574))
OR (UIC=576) OR (UIC=586)) THEN DEPFLT=1;
IF ((QUARTER=11) AND ((UIC=574) OR (UIC=576)
OR (UIC=586) OR (UIC=587) OR (UIC=588))) THEN DEPFLT=1;
IF ((QUARTER=12) AND ((UIC=587) OR (UIC=588))) THEN DEPFLT=1;
IF ((QUARTER=13) AND ((UIC=587) OR (UIC=588) OR (UIC=589)
OR (UIC=590) OR (UIC=591))) THEN DEPFLT=1;
IF ((QUARTER=14) AND ((UIC=575) OR (UIC=589)
OR (UIC=590) OR (UIC=591))) THEN DEPFLT=1;
IF ((QUARTER=15) AND ((UIC=574) OR (UIC=575)
OR (UIC=591) OR (UIC=601))) THEN DEPFLT=1;
IF ((QUARTER=16) AND ((UIC=575) OR (UIC=576)
OR (UIC=586) OR (UIC=598) OR (UIC=600) OR (UIC=601) OR
(UIC=602) OR
(UIC=603) OR (UIC=604))) THEN DEPFLT=1;
IF ((QUARTER=17) AND ((UIC=576) OR (UIC=586)
OR (UIC=589) OR (UIC=598) OR (UIC=600) OR (UIC=601) OR
(UIC=602)
OR (UIC=603) OR (UIC=604) OR (UIC=611))) THEN DEPFLT=1;
IF ((QUARTER=18) AND ((UIC=576)
OR (UIC=586) OR (UIC=587) OR (UIC=589) OR (UIC=598) OR
(UIC=599)
OR (UIC=600) OR (UIC=611))) THEN DEPFLT=1;
IF ((QUARTER=19) AND ((UIC=587) OR (UIC=590) OR (UIC=599)))
THEN DEPFLT=1;
IF ((QUARTER=20) AND ((UIC=587) OR (UIC=590) OR (UIC=591)
OR (UIC=599))) THEN DEPFLT=1;
IF ((QUARTER=21) AND ((UIC=590) OR (UIC=591))) THEN DEPFLT=1;
IF ((QUARTER=22) AND ((UIC=589) OR (UIC=591) OR (UIC=598) OR
(UIC=600) OR (UIC=601) OR (UIC=603) OR (UIC=611))) THEN
DEPFLT=1;
IF ((QUARTER=23) AND ((UIC=574)
OR (UIC=589) OR (UIC=598) OR (UIC=600) OR (UIC=601) OR
(UIC=603)
OR (UIC=611))) THEN DEPFLT=1;
IF ((QUARTER=24) AND ((UIC=574) OR (UIC=575) OR (UIC=598)
OR (UIC=599) OR (UIC=600))) THEN DEPFLT=1;
IF ((QUARTER=25) AND ((UIC=575) OR (UIC=599) OR (UIC=600)))
THEN DEPFLT=1;
IF ((QUARTER=26) AND ((UIC=576) OR (UIC=599) OR (UIC=604)))
THEN DEPFLT=1;
IF ((QUARTER=27) AND ((UIC=574) OR (UIC=576) OR (UIC=604)))
THEN DEPFLT=1;
IF DEPFLT=. THEN DEPFLT=0

```

*-----
 EFFECT CCDES (-1,0,1) ARE NOW ASSIGNED TO EACH OF THE SHIPS
 BY UIC WITH USS SURVANCE (DD-963)-UIC 574 ASSIGNED -1.
 *-----

IF UIC=611 THEN UICEFF01=1; IF ((UIC NE 611) AND (UIC NE
 574)) THEN UICEFF01=0; IF UIC=574 THEN UICEFF01=-1;
 IF UIC=604 THEN UICEFF02=1; IF ((UIC NE 604) AND (UIC NE
 574)) THEN UICEFF02=0; IF UIC=574 THEN UICEFF02=-1;
 IF UIC=603 THEN UICEFF03=1; IF ((UIC NE 603) AND (UIC NE
 574)) THEN UICEFF03=0; IF UIC=574 THEN UICEFF03=-1;
 IF UIC=602 THEN UICEFF04=1; IF ((UIC NE 602) AND (UIC NE
 574)) THEN UICEFF04=0; IF UIC=574 THEN UICEFF04=-1;
 IF UIC=601 THEN UICEFF05=1; IF ((UIC NE 601) AND (UIC NE
 574)) THEN UICEFF05=0; IF UIC=574 THEN UICEFF05=-1;
 IF UIC=600 THEN UICEFF06=1; IF ((UIC NE 600) AND (UIC NE
 574)) THEN UICEFF06=0; IF UIC=574 THEN UICEFF06=-1;
 IF UIC=599 THEN UICEFF07=1; IF ((UIC NE 599) AND (UIC NE
 574)) THEN UICEFF07=0; IF UIC=574 THEN UICEFF07=-1;
 IF UIC=598 THEN UICEFF08=1; IF ((UIC NE 598) AND (UIC NE
 574)) THEN UICEFF08=0; IF UIC=574 THEN UICEFF08=-1;
 IF UIC=591 THEN UICEFF09=1; IF ((UIC NE 591) AND (UIC NE
 574)) THEN UICEFF09=0; IF UIC=574 THEN UICEFF09=-1;
 IF UIC=590 THEN UICEFF10=1; IF ((UIC NE 590) AND (UIC NE
 574)) THEN UICEFF10=0; IF UIC=574 THEN UICEFF10=-1;
 IF UIC=589 THEN UICEFF11=1; IF ((UIC NE 589) AND (UIC NE
 574)) THEN UICEFF11=0; IF UIC=574 THEN UICEFF11=-1;
 IF UIC=588 THEN UICEFF12=1; IF ((UIC NE 588) AND (UIC NE
 574)) THEN UICEFF12=0; IF UIC=574 THEN UICEFF12=-1;
 IF UIC=587 THEN UICEFF13=1; IF ((UIC NE 587) AND (UIC NE
 574)) THEN UICEFF13=0; IF UIC=574 THEN UICEFF13=-1;
 IF UIC=586 THEN UICEFF14=1; IF ((UIC NE 586) AND (UIC NE
 574)) THEN UICEFF14=0; IF UIC=574 THEN UICEFF14=-1;
 IF UIC=576 THEN UICEFF15=1; IF ((UIC NE 576) AND (UIC NE
 574)) THEN UICEFF15=0; IF UIC=574 THEN UICEFF15=-1;
 IF UIC=575 THEN UICEFF16=1; IF ((UIC NE 575) AND (UIC NE
 574)) THEN UICEFF16=0; IF UIC=574 THEN UICEFF16=-1;

*-----
 CERTAIN UN-LABELLED VARIABLES ARE NOW GIVEN LABELS.
 *-----

LABEL
 SERVICE =NUMBER OF DAYS SINCE COMMISSIONING
 PREWENTY=IF SHIP WAS WITHIN WARRANTY PERIOD
 UICEFF01=DD979--CCNOLLY
 UICEFF02=DD978--STUMP
 UICEFF03=DD977--EFISCOE
 UICEFF04=DD976--MERRILL
 UICEFF05=DD975--C'BRIEN
 UICEFF06=DD974--CCMTE DE GRASSE
 UICEFF07=DD973--J YOUNG
 UICEFF08=DD972--CIDENDORF

UICEFF09=DD971--D. R. RAY
 UICEFF10=DD970--CARON
 UICEFF11=DD969--PETERSON
 UICEFF12=DD968--A. W. RADFORD
 UICEFF13=DD967--ELLIOT
 UICEFF14=DD966--FEWITT
 UICEFF15=DD965--KINKAID
 UICEFF16=DD964--F. F. FOSTER
 DEFFIT=DEPLOYED QUARTERS
 UFILL+++ =PERCENT FIRST CLASS AND ABOVE ONBOARD
 LFILL+++ =PERCENT SECOND CLASS AND BELOW ONBOARD
 OVERHAUL=OVERHAUL QUARTERS, WITH C5 QUARTER AS 1;

*-----
 REGRESSION EQUATIONS ARE NOW RUN FOR EACH RATING, EACH
 DEPENDENT VARIABLE AND ALL THE INDEPENDENT VARIABLES.
 *-----

PROC REG DATA=COMBO SIMPLE; MODELK1--T=

UICEFF01--UICEFF16 SERVICE PREWRNTY OVERHAUL DEFFIT HSDG+++
 AFOT+++ ENAGE+++ PRAGE+++ PAYGR+++ YRACD+++ TMEGR++UFILL+++
 LFILL+++;

COUTPUT CUT=EXPECTED P=PK1 PK2 PK3 PK4 PINDEX01 PMEMRAC
 PPRSCSE PTECHASS PM PS PT;

TITLE READINESS REGRESSIONS FOR THE +++ RATING-EIC DEPLOY T
 IT 2000;

PROC SORT DATA=EXPECTED; BY QUARTER;

PROC MEANS NOPRINT ; BY QUARTER; VAR UFILL+++ LFILL++K1 K2 K3
 K4 INDEX01 MEMRAC PRSCAUSE TECHASS M S T PK1 PK2 PK3 PK4
 FINDEX01 PMEMRAC PPRSCSE PTECHASS PM PS PT;

APPENDIX B **ANALYSIS MODELS**

READINESS REGRESSIONS FOR THE ET RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	942.761	32.508992	3.864	0.0001
ERROR	358	3011.868	8.413039		
C TOTAL	387	3954.629			
ROOT MSE		2.900524	R-SQUARE		0.2384
DFE MEAN		3.469072	ADJ R-SQ		0.1767
C.V.		83.61094			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	4.244651	8.000434	0.531
UICEFF01	1	-1.596658	0.682848	-2.924
UICEFF02	1	-0.664613	0.680823	-1.270
UICEFF03	1	-0.791742	0.692693	-1.143
UICEFF04	1	-0.099442	0.705071	-0.141
UICEFF05	1	1.235534	0.668035	1.850
UICEFF06	1	-0.017001	0.706451	-0.024
UICEFF07	1	-0.551131	0.688324	-0.801
UICEFF08	1	-2.248649	0.665960	-3.377
UICEFF09	1	1.492845	0.627249	2.380
UICEFF10	1	0.497318	0.655525	0.759
UICEFF11	1	-0.722938	0.597254	-1.210
UICEFF12	1	-0.081535	0.630573	-0.129
UICEFF13	1	2.296794	0.617942	3.717
UICEFF14	1	-0.945169	0.603971	-1.565
UICEFF15	1	-0.399430	0.587736	-0.612
UICEFF16	1	0.785594	0.639910	1.228
SERVICE	1	-0.000210225	0.0003449934	-0.609
PREVENTY	1	1.831587	0.619322	2.957
OVERHAUL	1	-4.151411	0.678168	-6.122
DEPFIT	1	0.897831	0.369899	2.427
HSDGET	1	0.019825	0.055174	0.359
AFOTET	1	0.035675	0.035279	1.011
ENAGET	1	-0.496648	0.291413	-1.704
PRAGET	1	0.188657	0.174509	1.081
PAYGET	1	0.408296	0.387786	1.053
YRACET	1	-0.719331	0.239228	-3.007
TMEGET	1	0.007030084	0.028281	0.249
UFILLET	1	-0.0000560643	0.005524499	-0.010
LFILLET	1	0.005457714	0.007517022	0.726

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	840.056	28.967446	3.804	0.0001
ERROR	358	2725.972	7.614448		
C TOTAL	387	3566.028			
ROOT MSE		2.759429	R-SQUARE		0.2356
DFE MEAN		3.152062	ADJ R-SQ		0.1736
C.V.		87.54362			

PARAMETER	STANDARD ERROR	T FOR H0:
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VARIABLE	DF	ESTIMATE	ERROR	PARAMETER=0
INTERCEP	1	1.6955481	7.611256	0.223
UICEFF01	1	-1.651048	0.649631	-2.849
UICEFF02	1	-0.786326	0.647704	-1.214
UICEFF03	1	-0.691720	0.658997	-1.050
UICEFF04	1	0.114772	0.670773	0.171
UICEFF05	1	1.111136	0.635539	1.748
UICEFF06	1	0.274194	0.672086	0.408
UICEFF07	1	-0.479781	0.654841	-0.733
UICEFF08	1	-2.235885	0.633565	-3.529
UICEFF09	1	1.316607	0.596737	2.206
UICEFF10	1	0.351783	0.623638	0.564
UICEFF11	1	0.570997	0.568201	1.005
UICEFF12	1	-0.528257	0.599899	-0.380
UICEFF13	1	2.270374	0.587883	3.862
UICEFF14	1	-1.047283	0.574591	-1.823
UICEFF15	1	-0.304153	0.559145	-0.544
UICEFF16	1	1.010212	0.608782	1.659
SERVICE	1	-0.000219167	0.003282113	-0.668
PREWENTY	1	1.603720	0.589196	2.722
OVERHAUL	1	-3.740889	0.645178	-5.798
DEPFFIT	1	0.886577	0.351905	2.519
HSDGET	1	0.034062	0.052490	0.649
AFOTET	1	0.027378	0.033563	0.816
ENAGEET	1	-0.369985	0.277237	-1.335
PRAGEET	1	0.156291	0.166020	0.941
PAYGREY	1	0.438169	0.368922	1.188
YRACLET	1	-0.672138	0.227591	-2.953
TMEGREY	1	-0.00361751	0.026906	-0.134
UFILLET	1	-0.00259528	0.005255762	-0.494
LFILLET	1	0.005058487	0.007151359	0.707

DEP VARIABLE: K4 TOTAL NUMBER OF C-4 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	2.579431	0.088946	1.512	0.0464
ERROR	358	21.057167	0.058819		
C TOTAL	387	23.636598			
FOOT MSE		0.242526	R-SQUARE	0.1091	
DEP MEAN		0.059278	ADJ R-SQ	0.0370	
C.V.		409.131			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.155388	0.668953	1.727
UICEFF01	1	-0.079328	0.057096	-1.389
UICEFF02	1	-0.058620	0.056927	-1.030
UICEFF03	1	0.080446	0.057919	1.389
UICEFF04	1	-0.026327	0.058954	-0.447
UICEFF05	1	0.060193	0.055857	1.078
UICEFF06	1	-0.084858	0.059070	-1.437
UICEFF07	1	0.068685	0.057554	1.193
UICEFF08	1	0.042330	0.055684	0.760
UICEFF09	1	0.006584796	0.052447	0.126
UICEFF10	1	-0.0060566	0.054811	-1.105
UICEFF11	1	-0.00451418	0.049939	-0.090
UICEFF12	1	-0.048008	0.052725	-0.911
UICEFF13	1	0.011275	0.051669	0.218
UICEFF14	1	0.022530	0.050501	0.446
UICEFF15	1	-0.0015193	0.049143	-0.031
UICEFF16	1	-0.0060717	0.053506	-1.135
SERVICE	1	-0.0000566366	0.0002884648	-1.963
PREWENTY	1	0.012402	0.051784	0.239
OVERHAUL	1	-0.050817	0.056705	-0.896
DEPFFIT	1	0.002668904	0.030929	0.086
HSDGET	1	-0.0035855	0.004613323	-0.777

AFOTET	1	0.002680304	0.002949814	0.909
ENAGEET	1	-0.042732	0.024366	-1.754
PRAGEET	1	-0.0081334	0.014592	-0.557
PAYGEET	1	0.001442058	0.032425	0.044
YRACLET	1	0.024868	0.020003	1.243
TMEGRET	1	-0.00051568	0.00236473	-0.218
UFILLET	1	0.0003693651	0.0004619287	0.800
LFILLET	1	-0.000448592	0.0006285326	-0.714

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX
(NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	48.388533	1.668570	3.094	0.0001
ERROR	358	193.058	0.539267		
C TOTAL	387	241.446			
FCCT MSE		0.734348	R-SQUARE		0.2004
DEP MEAN		0.756650	ADJ R-SQ		0.1356
C.V.		97.0525			

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	1.516695	2.025532	0.946
UICEFF01	1	-0.404561	0.172882	-2.340
UICEFF02	1	-0.017724	0.172369	-0.103
UICEFF03	1	-0.163084	0.175375	-0.930
UICEFF04	1	-0.00562228	0.178508	-0.054
UICEFF05	1	0.382953	0.169132	2.264
UICEFF06	1	0.002306169	0.178858	0.013
UICEFF07	1	-0.019323	0.174268	-0.111
UICEFF08	1	-0.418885	0.168606	-2.484
UICEFF09	1	-0.659865	0.158806	-4.155
UICEFF10	1	-0.040346	0.165964	-0.243
UICEFF11	1	0.025378	0.151211	0.168
UICEFF12	1	-0.134857	0.159647	-0.845
UICEFF13	1	-0.410240	0.156449	-2.622
UICEFF14	1	-0.152193	0.152912	-0.995
UICEFF15	1	0.040440	0.148802	0.272
UICEFF16	1	0.087455	0.162011	0.540
SERVICE	1	-0.0009474763	-0.0008734465	1.085
PREWENTY	1	0.490472	0.156799	3.128
OVERHAUL	1	-0.842337	0.171697	-4.906
DEPFLT	1	0.042033	0.093650	0.449
HSDGET	1	-0.000636586	0.013969	-0.046
AFOTET	1	0.007814127	0.008931784	0.875
ENAGEET	1	-0.129327	0.073779	-1.753
PRAGEET	1	0.037056	0.044182	0.839
PAYGEET	1	0.025381	0.098179	0.259
YRACLET	1	-0.174499	0.060567	-2.881
TMEGRET	1	0.006871421	0.0071602	0.960
UFILLET	1	0.001723213	0.00139868	1.232
LFILLET	1	0.001141298	0.001903143	0.600

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-EASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	100.935	3.480504	2.610	0.0001
ERROR	358	477.385	1.333478		
C TOTAL	387	578.320			
FCCT MSE		1.154763	R-SQUARE		0.1745
DEP MEAN		0.798969	ADJ R-SQ		0.1077
C.V.		144.5316			

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
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INTERCEFF	1	-3.544666	3.185150	-1.113
UICEFF01	1	-0.501308	0.271857	-1.844
UICEFF02	1	-0.366457	0.271051	-1.352
UICEFF03	1	-0.519212	0.275777	-1.883
UICEFF04	1	-0.502870	0.280704	-1.791
UICEFF05	1	-0.285421	0.265960	-1.073
UICEFF06	1	-0.014360	0.281254	-0.051
UICEFF07	1	0.037159	0.274037	0.136
UICEFF08	1	-0.226821	0.265134	-0.855
UICEFF09	1	0.012919	0.249722	3.652
UICEFF10	1	0.012942	0.260979	0.050
UICEFF11	1	-0.383743	0.237780	-1.614
UICEFF12	1	0.292738	0.251045	1.166
UICEFF13	1	0.512494	0.246017	2.083
UICEFF14	1	0.484771	0.240454	-2.016
UICEFF15	1	-0.146980	0.233991	-0.628
UICEFF16	1	-0.047269	0.254762	-0.186
SERVICE	-0.000	0.000135347	0.001373495	-0.985
PRESENTY	1	0.333562	0.246566	1.353
OVERHAUI	1	-0.577236	0.269994	-3.619
DEPFI	1	0.231869	0.147265	1.575
HSDGET	1	0.013600	0.021966	0.619
AFQIET	1	0.014024	0.014045	0.998
ENAGEET	1	-0.055369	0.116018	-0.822
PRAGEET	1	0.168073	0.069476	2.419
PAYGRET	1	0.106485	0.154386	0.690
YRACIET	1	-0.128336	0.095242	-1.347
TMEGRET	1	-0.024684	0.011259	-2.192
UPILLIET	1	-0.0010619	0.002199426	-0.483
LPILLIET	1	0.004012641	0.002992693	1.341

DEP VARIABLE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	81.342471	2.804913	1.892	0.0043
ERROR	328	530.750	1.620884		
C TOTAL	387	612.093			
ROOT MSE		1.217597	R-SQUARE	0.1329	
DEF MEAN		0.840206	ADJ R-SQ	0.0627	
C.V.		144.9165			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEFF	1	2.563956	3.358464	0.883
UICEFF01	1	-0.429282	0.286650	-1.498
UICEFF02	1	-0.122229	0.285799	-0.428
UICEFF03	1	-0.571080	0.290782	-1.964
UICEFF04	1	-0.136264	0.295978	-0.460
UICEFF05	1	-0.057681	0.280431	-0.206
UICEFF06	1	0.152239	0.296558	0.513
UICEFF07	1	-0.276435	0.288948	-0.957
UICEFF08	1	-0.434724	0.279560	-1.555
UICEFF09	1	0.655054	0.263310	2.488
UICEFF10	1	0.271161	0.275180	0.985
UICEFF11	1	0.201367	0.250718	0.803
UICEFF12	1	-0.122772	0.264705	-0.464
UICEFF13	1	0.076967	0.259403	0.297
UICEFF14	1	-0.185258	0.253538	-0.731
UICEFF15	1	-0.092078	0.246723	-0.373
UICEFF16	1	0.2225751	0.268625	0.840
SERVICE	-0.000	0.000227322	0.001448231	0.292
PRESENTY	1	0.273002	0.259982	1.050
OVERHAUI	1	-0.926066	0.284685	-3.253
DEPFI	1	0.295348	0.155278	1.902
HSDGET	1	0.019181	0.023161	0.828

AFOTET	1	0.014258	0.014809	0.963
ENAGFEET	1	-0.273070	0.122331	-2.232
PRAGFEET	1	0.074675	0.073256	1.019
PAYGFEET	1	-0.091483	0.162787	-0.562
YRACFEET	1	-0.120069	0.100425	-1.196
TMEGFEET	1	-0.024314	0.011872	-2.048
UFILFEET	1	-0.0019109	0.002319103	-0.824
LFILFEET	1	-0.00300095	0.00315535	-0.951

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	57952267	1999733	2.537	0.0001
ERROR	358	282239421	788378		
C TOTAL	387	340231688			
HOCT MSE		887.907	R-SQUARE		0.1704
DFP MEAN		695.369	ADJ R-SQ		0.1033
C.V.		127.6886			

VARIABLE	CF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	2311.288	2449.088	0.944
UICEFF01	1	-259.256	209.033	-1.240
UICEFF02	1	-112.467	208.413	-0.540
UICEFF03	1	-213.027	212.047	-1.005
UICEFF04	1	30.207123	215.836	0.140
UICEFF05	1	485.121	204.499	2.372
UICEFF06	1	-64.318471	216.258	-0.297
UICEFF07	1	194.427	210.709	0.923
UICEFF08	1	-492.452	203.863	-2.416
UICEFF09	1	860.935	192.013	4.484
UICEFF10	1	-220.437	200.669	-1.099
UICEFF11	1	-211.393	182.831	-1.156
UICEFF12	1	-230.039	193.031	-1.192
UICEFF13	1	324.977	189.164	1.718
UICEFF14	1	-34.787491	184.887	-0.188
UICEFF15	1	229.767	179.917	1.277
UICEFF16	1	63.550911	195.889	0.324
SERVICE	1	0.218786	0.105609	2.072
PREWNTY	1	681.334	189.587	3.594
OVERHAUL	1	-766.753	207.600	-3.703
DEPFI	1	-80.825595	113.233	-0.714
HSDGET	1	-4.741151	16.889730	-0.281
AFOTET	1	6.927638	10.799496	0.641
ENAGFEET	1	-120.320	89.207159	-1.349
PRAGFEET	1	6.469708	53.420631	0.121
PAYGFEET	1	40.580359	118.709	0.345
YRACFEET	1	-111.673	73.232464	-1.525
TMEGFEET	1	6.836394	8.657460	0.790
UFILFEET	1	0.584607	1.691157	0.582
LFILFEET	1	2.376087	2.301106	1.033

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	156663351	5402185	3.357	0.0001
ERROR	358	576145993	1609346		
C TOTAL	387	732809344			
HOCT MSE		1268.600	R-SQUARE		0.2138
DFP MEAN		1222.902	ADJ R-SQ		0.1501
C.V.		103.7369			

VARIABLE	CF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
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INTERCEP	1	1674.276	3499.144	0.478
UICEFF01	1	-572.624	298.657	-1.917
UICEFF02	1	-30.877021	297.771	-0.104
UICEFF03	1	-613.541	302.963	-2.025
UICEFF04	1	-31.454014	308.376	-0.102
UICEFF05	1	711.409	292.178	2.435
UICEFF06	1	172.180	308.980	0.557
UICEFF07	1	-260.276	301.052	-0.865
UICEFF08	1	-921.687	291.271	-3.164
UICEFF09	1	-12.799178	274.340	-0.047
UICEFF10	1	410.507	286.707	1.432
UICEFF11	1	984.021	261.220	3.767
UICEFF12	1	-80.682519	275.793	-0.293
UICEFF13	1	811.988	270.269	3.004
UICEFF14	1	-527.230	264.159	-1.996
UICEFF15	1	-306.876	257.058	-1.194
UICEFF16	1	564.190	279.877	2.016
SERVICE	1	-0.213893	0.150890	-1.418
PREWNTY	1	530.421	270.873	1.958
OVERHAUL	1	-1579.853	296.610	-5.326
DEPFI	1	400.588	161.782	2.476
HSDGET	1	-12.263849	24.131268	-0.508
AFOTET	1	4.179871	15.429823	0.271
ENAGEET	1	-35.048779	127.455	-0.275
PRAGEET	1	26.466669	76.324936	0.347
PAYGEET	1	264.388	169.606	1.559
YRACLET	1	-122.866	104.631	-1.174
TMEGET	1	-2.159832	12.369379	-0.175
UFILLET	1	-2.126540	2.416246	-0.880
LFILLET	1	1.627483	3.287715	0.495

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	CF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	298514800	10293614	3.340	0.0001
ERRCF	358	1103310812	3081874		
C TOTAL	387	1401825613			
ROOT MSE		1755.527	R-SQUARE	0.2129	
DEP MEAN		1918.271	ADJ R-SQ	0.1492	
C.V.		91.51611			

VARIABLE	CF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	3955.564	4842.220	0.823
UICEFF01	1	-851.880	413.290	-2.013
UICEFF02	1	-143.344	412.064	-0.348
UICEFF03	1	-826.568	419.249	-1.972
UICEFF04	1	-1.246891	426.741	-0.003
UICEFF05	1	1156.530	404.325	2.959
UICEFF06	1	107.861	427.576	0.252
UICEFF07	1	-65.848596	416.605	-0.158
UICEFF08	1	-1414.139	403.069	-3.508
UICEFF09	1	848.136	379.639	2.234
UICEFF10	1	190.070	396.753	0.479
UICEFF11	1	772.628	361.485	2.137
UICEFF12	1	-310.721	381.651	-0.814
UICEFF13	1	1136.964	374.006	3.040
UICEFF14	1	-562.017	365.550	-1.537
UICEFF15	1	-77.108555	355.724	-0.217
UICEFF16	1	627.741	387.302	1.621
SERVICE	1	0.004893195	0.208805	0.023
PREWNTY	1	1211.755	374.842	3.233
OVERHAUL	1	-2348.606	410.457	-5.722
DEPFI	1	319.763	223.879	1.428
HSDGET	1	-17.005000	33.393567	-0.509
AFOTET	1	11.107510	21.352248	0.520
ENAGEET	1	-155.368	176.376	-0.881

PRAGEFT	1	32.936377	105.621	0.312
PAYGRET	1	305.368	234.705	1.301
YRACDET	1	-234.539	144.792	-1.620
THEGRET	1	4.676562	17.117115	0.273
UFILLET	1	-1.141933	3.343674	-0.342
LFILLET	1	4.003570	4.549637	0.880

READINESS REGRESSIONS FOR THE FTG RATING

DEP VARIABLE: K1		TOTAL NUMBER OF CASREPS		
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE PROB>F
MODEL	29	186.351	6.425900	3.366 0.0001
ERRCR	356	679.641	1.909104	
C TOTAL	385	865.992		
ROOT MSE		1.381703	R-SQUARE	0.2152
DEF MEAN		1.463731	ADJ R-SQ	0.1513
C.V.		94.39602		

VARIABLE	LP	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEPT	1	4.572165	2.691314	1.699
UICEFF01	1	0.180838	0.350932	0.515
UICEFF02	1	-0.125540	0.401003	-0.313
UICEFF03	1	-0.089962	0.354976	-0.253
UICEFF04	1	-0.502337	0.304946	-1.647
UICEFF05	1	-0.472744	0.313578	-1.508
UICEFF06	1	-0.171482	0.327535	-0.524
UICEFF07	1	0.393558	0.366800	1.073
UICEFF08	1	-0.993114	0.314348	-3.159
UICEFF09	1	-0.070941	0.356657	-0.199
UICEFF10	1	0.764032	0.317968	2.403
UICEFF11	1	0.057714	0.288944	0.200
UICEFF12	1	-0.00408776	0.305186	-0.013
UICEFF13	1	-0.222858	0.322788	-0.690
UICEFF14	1	-0.633341	0.316824	-2.005
UICEFF15	1	0.153530	0.288728	0.532
UICEFF16	1	0.607514	0.290318	2.093
SERVICE	1	-0.000257171	0.001854936	-1.386
PREWENTY	1	0.836815	0.281784	2.970
OVERHAUL	1	-1.707961	0.319173	-5.351
DEPFLT	1	-0.090136	0.175914	-0.512
HSDGFTG	1	-0.015912	0.011394	-1.397
AFOTFTG	1	-0.025853	0.010804	-2.393
ENAGEFTG	1	-0.042456	0.133998	-0.317
PRAGEFTG	1	-0.00773253	0.091048	-0.085
PAYGFTG	1	0.102754	0.201506	0.510
YRACFTG	1	0.100540	0.104717	0.960
THEGFTG	1	0.0099749	0.011508	0.869
UFILIFTG	1	-0.000287004	0.002406036	-0.119
LFILIFTG	1	0.006348746	0.002584676	2.456

DEP VARIABLE: K2		TOTAL NUMBER OF C-2 CASREPS		
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE PROB>F
MODEL	29	73.617516	2.538535	2.052 0.0014
ERRCR	356	440.447	1.237211	
C TOTAL	385	514.065		
ROOT MSE		1.112300	R-SQUARE	0.1432
DEF MEAN		1.049223	ADJ R-SQ	0.0734
C.V.		106.0118		

VARIABLE	LP	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
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INTERCEPT	1	2.754963	2.166564	1.290
UICFF01	1	-0.479426	0.282507	-1.697
UICFF02	1	-0.173088	0.322816	-0.536
UICFF03	1	-0.238093	0.285763	-0.833
UICFF04	1	-0.099446	0.245488	-0.405
UICFF05	1	-0.367840	0.252436	-1.457
UICFF06	1	-0.134969	0.263673	-0.512
UICFF07	1	-0.143473	0.295282	-0.486
UICFF08	1	-0.517482	0.253057	-2.045
UICFF09	1	-0.128626	0.287116	-0.448
UICFF10	1	-0.673270	0.255970	-2.630
UICFF11	1	-0.101000	0.232606	-0.434
UICFF12	1	-0.010364	0.245681	-0.042
UICFF13	1	-0.393330	0.259851	-1.514
UICFF14	1	-0.425374	0.255050	-1.668
UICFF15	1	-0.036219	0.232432	-0.156
UICFF16	1	0.196672	0.233712	0.842
SERVICE	1	-0.000674779	0.001493262	-0.452
PREWENTY	1	-0.248683	0.226842	-1.096
OVERHAUL	1	-1.129941	0.256941	-4.398
DEPFIT	1	-0.129032	0.141615	-0.911
HSDGFTG	1	-0.00286529	0.009172313	-0.312
AFQFTG	1	-0.016847	0.008697132	-1.937
ENAGFTG	1	-0.047996	0.107871	-0.445
PRAGFTG	1	-0.019888	0.073296	-0.271
PAYGRFTG	1	-0.050324	0.162216	-0.310
YRACFTG	1	0.074276	0.084299	0.881
TNEGFTG	1	-0.002175223	0.009264015	-0.235
UFILFTG	1	-0.000997758	0.001936909	-0.515
LFILFTG	1	0.003128803	0.002080718	1.504

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	CF	SCM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	50.927820	1.756132	3.273	0.0001
ERROR	356	191.002	0.536523		
C TOTAL	385	241.930			
ECOT	MSE	0.732477	R-SQUARE	0.2105	
DEF MEAN		0.391192	ADJ R-SQ	0.1462	
C.V.		187.2426			

VARIABLE	CF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	1.716953	1.426736	1.203
UICFF01	1	-0.277425	0.186038	-1.491
UICFF02	1	-0.045276	0.212582	-0.213
UICFF03	1	-0.016159	0.188182	-0.086
UICFF04	1	-0.378495	0.161660	-2.341
UICFF05	1	-0.079246	0.166236	-0.477
UICFF06	1	-0.018354	0.173635	-0.106
UICFF07	1	-0.246142	0.194451	-1.266
UICFF08	1	-0.494082	0.166644	-2.965
UICFF09	1	-0.207018	0.189073	-1.095
UICFF10	1	-0.128968	0.168563	-0.765
UICFF11	1	0.190664	0.153177	1.245
UICFF12	1	-0.012503	0.161787	-0.077
UICFF13	1	-0.159180	0.171118	-0.930
UICFF14	1	-0.192422	0.167957	-1.146
UICFF15	1	-0.198067	0.153062	-1.294
UICFF16	1	0.416759	0.153905	2.708
SERVICE	1	-0.000183183	0.0009833504	-1.863
PREWENTY	1	-0.433724	0.149381	-2.903
OVERHAUL	1	-0.547192	0.169202	-3.234
DEPFIT	1	-0.207860	0.093257	-2.229
HSDGFTG	1	-0.011901	0.006040198	-1.970
AFQFTG	1	-0.00823766	0.005727279	-1.438

ENAGEFTG	1	-0.00614016	0.071036	-0.086
PRAGEFTG	1	-0.022327	0.048267	-0.463
PAYGEFTG	1	0.164607	0.106823	1.541
YRACFTG	1	0.015369	0.055513	0.277
TMEGFTG	1	0.007468858	0.006100585	1.224
UFILIFTG	1	0.0006054162	0.001275503	0.475
LFILIFTG	1	0.003017432	0.001370205	2.202

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX
(NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11.373590	0.392193	2.874	0.0001
ERROR	356	48.582002	0.136466		
C TOTAL	385	59.955592			
ECCT MSE		0.369413	R-SQUARE	0.1897	
DEP MEAN		0.324654	ADJ R-SQ	0.1237	
C.V.		113.7867			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	1.502300	0.719552	2.088
UICEFF01	1	-0.000143236	0.093825	-0.002
UICEFF02	1	-0.051583	0.107212	-0.481
UICEFF03	1	-0.076940	0.094907	-0.811
UICEFF04	1	-0.061871	0.081531	-1.004
UICEFF05	1	-0.133489	0.083838	-1.592
UICEFF06	1	-0.047811	0.087570	-0.546
UICEFF07	1	-0.079385	0.098068	-0.809
UICEFF08	1	-0.153213	0.084044	-1.823
UICEFF09	1	-0.058261	0.095356	-0.611
UICEFF10	1	-0.127747	0.085012	-1.503
UICEFF11	1	-0.041673	0.077252	-0.539
UICEFF12	1	-0.029817	0.081595	-0.365
UICEFF13	1	-0.065142	0.086301	-0.755
UICEFF14	1	-0.102928	0.084706	-1.215
UICEFF15	1	0.138390	0.077195	1.793
UICEFF16	1	0.142732	0.077620	1.839
SERVICE	1	-0.000560885	0.0004959373	-1.131
PREWENTY	1	0.253362	0.075338	3.363
OVERHAUL	1	-0.363672	0.085334	-4.262
DEPFT	1	-0.082445	0.047033	-1.753
HSDGFTG	1	-0.00699774	0.003046279	-2.297
AFOTFTG	1	-0.00960388	0.002888463	-3.325
ENAGEFTG	1	-0.0077832	0.035826	-0.217
PRAGEFTG	1	-0.00055143	0.024343	-0.023
PAYGRFTG	1	0.027568	0.053875	0.512
YRACFTG	1	0.029316	0.027997	1.047
TMEGFTG	1	0.004085212	0.003076734	1.328
UFILIFTG	1	-0.000510475	0.00064328	-0.794
LFILIFTG	1	0.001781781	0.0006910412	2.578

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX
(SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	1073.451	37.015559	4.072	0.0001
ERROR	356	3236.391	9.090986		
C TOTAL	385	4309.842			
ECOT MSE		3.015126	R-SQUARE	0.2491	
DEP MEAN		1.691391	ADJ R-SQ	0.1879	
C.V.		178.2631			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
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INTERCEP	1	5.637091	5.872933	0.960
UICEFF01	1	-1.355491	0.765797	-1.770
UICEFF02	1	0.151837	0.875060	0.174
UICEFF03	1	0.450210	0.774621	0.581
UICEFF04	1	-1.671541	0.665448	-2.512
UICEFF05	1	0.218186	0.684283	0.319
UICEFF06	1	-0.130189	0.714741	-0.182
UICEFF07	1	1.061829	0.800425	1.327
UICEFF08	1	-1.752173	0.685965	-2.554
UICEFF09	1	-0.546314	0.778290	-0.702
UICEFF10	1	0.240842	0.693862	0.347
UICEFF11	1	0.636725	0.630527	1.010
UICEFF12	1	0.007080217	0.665971	0.011
UICEFF13	1	0.989733	0.704381	1.405
UICEFF14	1	-0.956906	0.691366	-1.384
UICEFF15	1	0.663336	0.630057	1.053
UICEFF16	1	1.658350	0.633527	2.618
SERVICE	1	-0.000766962	0.0004047805	-1.8955
PREWENTY	1	2.458918	0.614902	3.999
OVERHAUI	1	-2.439436	0.696492	-3.502
DEPFLT	1	-1.056937	0.383877	-2.753
HSDGFTG	1	-0.045492	0.024864	-1.830
AFQTFITG	1	-0.034365	0.023575	-1.458
ENAGEFTG	1	0.043086	0.292408	0.147
PRAGEFTG	1	-0.126024	0.198683	-0.634
PAYGFTG	1	0.756970	0.439721	1.721
YRACDFTG	1	0.059634	0.228511	0.436
TMEGFTG	1	0.035367	0.025112	1.408
UFILLIFTG	1	0.002477489	0.005250405	0.472
LFILLIFTG	1	0.013531	0.005640229	2.399

DEP VARIAELE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PRCE>F
MODEL	29	22.398340	0.772357	2.097	0.0010
ERRCE	356	131.138	0.368365		
C TOTAL	385	153.536			
ECCT MSE		0.606931	R-SQUARE	0.1459	
DEP MEAN		0.303109	ADJ R-SQ	0.0763	
C.V.		200.2353			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.584102	1.182194	1.678
UICEFF01	1	-0.127867	0.154151	-0.829
UICEFF02	1	0.038726	0.176146	0.220
UICEFF03	1	0.082330	0.155928	0.528
UICEFF04	1	-0.042895	0.133952	-0.171
UICEFF05	1	-0.026480	0.137743	-0.192
UICEFF06	1	0.102563	0.143874	0.713
UICEFF07	1	0.257649	0.161142	1.847
UICEFF08	1	-0.261707	0.138082	-1.895
UICEFF09	1	-0.191198	0.156666	-1.220
UICEFF10	1	0.117996	0.139671	0.845
UICEFF11	1	0.206810	0.126922	1.629
UICEFF12	1	-0.113979	0.134057	-0.850
UICEFF13	1	-0.143640	0.141789	-1.013
UICEFF14	1	-0.106556	0.139169	-0.766
UICEFF15	1	0.031836	0.126828	0.251
UICEFF16	1	0.031204	0.127526	0.245
SERVICE	1	-0.000587799	0.0008148042	-1.212
PREWENTY	1	0.480880	0.123777	3.885
OVERHAUI	1	-0.305481	0.140201	-2.179
DEPFLT	1	-0.027855	0.077273	-0.360
HSDGFTG	1	-0.00570387	0.005004908	-1.939
AFQTFITG	1	-0.0055304	0.004745623	-1.165

ENAGEFTG	1	-0.026970	0.058860	-0.458
PRAGEFTG	1	0.020272	0.039994	0.507
PAYGEFTG	1	-0.103962	0.088514	-1.175
YRACFTG	1	0.035190	0.045998	0.765
TMEGEFTG	1	0.005184779	0.005054945	1.026
UFILIFTG	1	-0.00199654	0.001056882	-1.889
LFILIFTG	1	0.001759024	0.001135352	1.549

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	44562612	1536642	2.701	0.0001
ERRCE	356	202501514	568824		
C TOTAL	385	247064126			
ROOT MSE		754.205	R-SQUARE	0.1804	
DFP MEAN		580.855	ADJ R-SQ	0.1136	
C.V.		129.8439			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1634.024	1469.057	1.112
UICEFF01	1	202.679	191.557	1.058
UICEFF02	1	-31.992543	218.888	-0.146
UICEFF03	1	-91.417314	193.764	-0.472
UICEFF04	1	-320.826	166.455	-1.927
UICEFF05	1	-65.231397	171.167	-0.381
UICEFF06	1	-104.541	178.785	-0.585
UICEFF07	1	299.751	200.218	1.497
UICEFF08	1	-442.677	171.587	-2.580
UICEFF09	1	285.311	194.682	1.466
UICEFF10	1	106.946	173.563	0.616
UICEFF11	1	20.517606	157.720	0.130
UICEFF12	1	26.454228	166.586	0.159
UICEFF13	1	-54.927314	176.194	-0.312
UICEFF14	1	-306.327	172.939	-1.771
UICEFF15	1	-135.670	157.603	-0.861
UICEFF16	1	481.265	158.471	3.037
SERVICE	1	-0.120690	0.101252	-1.192
PREWENTY	1	336.653	153.812	2.189
OVERHAUL	1	-685.040	174.221	-3.932
DEPFIT	1	29.724550	96.023100	0.310
HSDGFTG	1	3.571216	6.219365	0.639
AFQFTG	1	-10.729325	5.897164	-1.819
ENAGEFTG	1	-52.697895	73.143143	-0.720
PRAGEFTG	1	-13.411069	49.698642	-0.270
PAYGEFTG	1	51.316241	109.992	0.467
YRACFTG	1	80.529067	57.159879	1.409
TMEGEFTG	1	-5.481203	6.281544	-0.873
UFILIFTG	1	0.275197	1.313338	0.210
LFILIFTG	1	3.146327	1.410848	2.230

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	68606908	2365755	2.911	0.0001
ERRCE	356	289317383	812689		
C TOTAL	385	357924291			
ROOT MSE		901.493	R-SQUARE	0.1917	
DFP MEAN		822.596	ADJ R-SQ	0.1258	
C.V.		109.5912			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2701.961	1755.949	1.539
UICEFF01	1	188.726	228.966	0.824

UICEFF02	1	-61.250453	261.6334	-0.234
UICEFF03	1	-262.082	231.604	-1.132
UICEFF04	1	-315.005	198.962	-1.583
UICEFF05	1	108.375	204.594	-0.530
UICEFF06	1	-239.184	213.700	-1.119
UICEFF07	1	-425.458	239.319	-1.778
UICEFF08	1	-410.572	205.097	-2.002
UICEFF09	1	178.037	232.701	0.765
UICEFF10	1	216.348	207.458	1.043
UICEFF11	1	-39.620958	188.521	-0.210
UICEFF12	1	29.771416	199.119	0.150
UICEFF13	1	-128.771	210.603	-0.611
UICEFF14	1	-367.531	206.712	-1.778
UICEFF15	1	21.757796	188.381	0.115
UICEFF16	1	565.045	189.418	2.983
SERVICE	1	-0.154128	0.121025	-1.274
PREWENTY	1	420.650	183.850	2.288
OVERHAUL	1	-924.208	208.244	-4.438
DEPFLT	1	-30.579321	114.775	-0.266
HSDGFTG	1	-1.024136	7.433942	-0.138
AFQFTG	1	-18.221291	7.048819	-2.585
ENAGEFTG	1	-75.793242	87.427236	-0.867
PRAGEFTG	1	8.264343	59.404269	0.139
PA7GFTG	1	72.858136	131.472	0.554
YRACFLTG	1	74.587545	68.322607	1.098
TMEGFTG	1	-0.647137	7.508264	-0.086
UFILFLTG	1	-0.092279	1.569819	-0.059
LFILFLTG	1	4.054760	1.686372	2.404

READINESS REGRESSIONS FOR THE FTM RATING

DEP VARIABLE: K1		TOTAL NUMBER OF CASREPS	
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE
MODEL	29	60.159121	2.074452
ERRCE	339	335.798	0.990553
C TOTAL	368	395.957	
FCCT MSE		0.995265	R-SQUARE
DFP MEAN		0.766938	0.1519
C.V.		129.7713	ADJ R-SQ
			0.0794

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.012433	1.750860	-0.578
UICEFF01	1	0.179129	0.243251	0.736
UICEFF02	1	-0.036056	0.246894	-0.146
UICEFF03	1	0.153040	0.238159	0.643
UICEFF04	1	-0.136147	0.224313	-0.607
UICEFF05	1	0.011620	0.222311	0.052
UICEFF06	1	0.112573	0.248127	0.454
UICEFF07	1	0.123494	0.230308	0.536
UICEFF08	1	-0.226723	0.244893	-0.926
UICEFF09	1	0.181585	0.221188	0.821
UICEFF10	1	-0.072502	0.226184	-0.321
UICEFF11	1	-0.202937	0.231763	-0.876
UICEFF12	1	0.131401	0.225021	0.584
UICEFF13	1	-0.222903	0.229008	-0.973
UICEFF14	1	-0.224438	0.220319	-1.019
UICEFF15	1	-0.122317	0.224533	-0.545
UICEFF16	1	0.107935	0.208083	0.519
SERVICE	1	0.0004262527	0.001143666	3.727
PREWENTY	1	-0.475371	0.259647	-1.831
OVERHAUL	1	-0.838303	0.253514	-3.307
DEPFLT	1	-0.00231894	0.126512	-0.018
HSDGFTM	1	0.00478377	0.008603905	0.556
AFQFTM	1	0.010144	0.008660794	1.171

ENAGEFTM	1	-0.068020	0.086593	-0.786
PRAGEFTM	1	-0.110762	0.074375	-1.489
PAYGEFTM	1	-0.120636	0.131109	-0.920
YRACDFTM	1	-0.155460	0.087287	-1.781
TMEGEFTM	1	-0.007895678	0.008931143	-0.884
UFILLFTM	1	-0.000884864	0.002128627	-0.416
LFILLFTM	1	-0.000380949	0.001842926	-0.207

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	54.654137	1.884625	2.406	0.0001
ERROR	339	265.579	0.783419		
C TOTAL	368	320.233			
ROOT MSE		0.885109	R-SQUARE		0.1707
DF MEAN		0.604336	ADJ R-SQ		0.0997
C.V.		146.4598			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.651309	1.557075	-0.418
UICEFF01	1	0.074189	0.216328	0.343
UICEFF02	1	0.048110	0.219567	0.219
UICEFF03	1	0.260654	0.211800	1.231
UICEFF04	1	-0.046929	0.199486	-0.235
UICEFF05	1	-0.062780	0.197706	-0.318
UICEFF06	1	0.124818	0.220664	0.566
UICEFF07	1	0.067174	0.204818	0.426
UICEFF08	1	-0.244417	0.217788	-1.122
UICEFF09	1	-0.194121	0.196707	-0.987
UICEFF10	1	-0.034856	0.201150	-0.173
UICEFF11	1	-0.185520	0.206112	-0.900
UICEFF12	1	0.195515	0.200116	0.977
UICEFF13	1	-0.285717	0.203661	-1.403
UICEFF14	1	-0.075866	0.195934	-0.387
UICEFF15	1	-0.137658	0.199681	-0.689
UICEFF16	1	-0.013442	0.185053	-0.073
SERVICE	1	0.0005060432	0.001017085	4.975
PREWNTY	1	-0.177864	0.230909	-0.770
OVERHAUL	1	-0.654051	0.225455	-2.901
DEPFT	1	0.064171	0.112510	0.570
HSDGFTM	1	-0.000349435	0.007651625	-0.046
AFOTFTM	1	0.008364871	0.007702217	1.086
ENAGEFTM	1	-0.061264	0.077009	-0.796
PRAGEFTM	1	0.114735	0.066143	1.735
PAYGEFTM	1	-0.186988	0.116598	-1.604
YRACDFTM	1	-0.108582	0.077626	-1.399
TMEGEFTM	1	-0.00115615	0.007942644	-0.146
UFILLFTM	1	-0.000813235	0.0018930	-0.430
LFILLFTM	1	-0.000407272	0.001638951	-0.248

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	3.556042	0.136415	2.026	0.0018
ERROR	339	22.826097	0.067334		
C TOTAL	368	26.782138			
ROOT MSE		0.259487	R-SQUARE		0.1477
DF MEAN		0.167338	ADJ R-SQ		0.0748
C.V.		155.0674			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.117732	0.456487	-0.258

UICEFFF01	1	-0.025956	0.063421	-0.409
UICEFFF02	1	-0.033805	0.064371	-0.525
UICEFFF03	1	-0.015374	0.062093	-0.248
UICEFFF04	1	0.006569823	0.058483	0.119
UICEFFF05	1	0.071326	0.057961	1.231
UICEFFF06	1	-0.023886	0.064692	-0.369
UICEFFF07	1	-0.010609	0.060046	-0.177
UICEFFF08	1	-0.029402	0.063849	-0.460
UICEFFF09	1	0.070960	0.057668	1.230
UICEFFF10	1	0.026468	0.058971	0.449
UICEFFF11	1	-0.053654	0.060426	-0.888
UICEFFF12	1	0.021343	0.058668	0.364
UICEFFF13	1	0.018401	0.059707	0.308
UICEFFF14	1	-0.046363	0.057442	-0.807
UICEFFF15	1	-0.058202	0.058541	-0.994
UICEFFF16	1	0.105879	0.054252	1.952
SERVICE	1	-0.0009201369	-0.0002981785	3.086
PREWNTY	1	-0.117760	0.067696	-1.740
OVERHAUI	1	-0.190002	0.066097	-2.875
DEPFLT	1	-0.025815	0.032984	-0.783
HSDGFTM	1	0.001454048	0.002243224	0.648
AFQTFTM	1	0.001789221	0.002258056	0.792
ENAGEFTM	1	-0.036941	0.022577	-1.636
PRAGEFTM	1	0.045080	0.019391	2.325
PAYGRFTM	1	-0.051856	0.034183	-1.517
YRACDFTM	1	-0.031152	0.022758	-1.369
TMEGFTM	1	0.000124449	0.002328542	0.053
UFILFTM	1	-0.00108299	0.000554979	-1.951
LFILFTM	1	-0.00019132	0.0004804906	-0.398

DEP VARIAELE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8269633	285160	2.018	0.0019
ERROR	339	47908263	141322		
C TOTAL	368	56177896			
ROOT MSE		375.929	R-SQUARE	0.1472	
DFP MEAN		150.233	ADJ R-SQ	0.0743	
C.V.		250.2303			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	71.273248	661.329	0.108
UICEFFF01	1	-51.198203	91.880039	-0.557
UICEFFF02	1	-63.494731	93.255908	-0.681
UICEFFF03	1	-1.808641	89.956842	-0.020
UICEFFF04	1	30.742098	84.726963	0.363
UICEFFF05	1	124.820	83.970612	1.486
UICEFFF06	1	-36.751434	93.721629	-0.392
UICEFFF07	1	-26.622336	86.991347	-0.306
UICEFFF08	1	-14.410825	92.500126	-0.156
UICEFFF09	1	44.743980	83.546312	0.536
UICEFFF10	1	99.070873	85.433656	1.160
UICEFFF11	1	-133.741	87.540987	-1.528
UICEFFF12	1	62.598971	84.994312	0.737
UICEFFF13	1	54.538419	86.500179	0.631
UICEFFF14	1	-59.433359	83.218280	-0.714
UICEFFF15	1	-104.776	84.809819	-1.235
UICEFFF16	1	143.310	78.596590	1.823
SERVICE	1	0.143631	0.043198	3.325
PREWNTY	1	-33.029289	98.073061	-0.337
OVERHAUI	1	-181.147	95.756542	-1.892
DEPFLT	1	-12.201707	47.785812	-0.255
HSDGFTM	1	1.408582	3.249841	0.433
AFQTFTM	1	2.619255	3.271329	0.801
ENAGEFTM	1	-72.579070	32.707659	-2.219

PRAGEFTM	1	76.537781	28.092511	2.724
PAYGEFTM	1	-119.024	49.522133	-2.403
YRACDFTM	1	-34.490445	32.969739	-1.046
TMEGEFTM	1	-4.668214	3.373444	-1.384
UFIIIFTM	1	-0.948390	0.804018	-1.180
LFIIIFTM	1	-0.191965	0.696104	-0.276

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11056247	381250	1.499	0.0505
ERROR	339	86218344	254331		
C TCTAL	368	97274591			
ROOT MSE		504.313	R-SQUARE	0.1137	
EFF MEAN		274.060	ADJ R-SQ	0.0378	
C.V.		184.0157			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	933.230	887.181	1.052
UICEFF01	1	148.129	123.258	1.202
UICEFF02	1	-23.588537	125.104	-0.189
UICEFF03	1	123.574	120.678	1.024
UICEFF04	1	-67.447527	113.662	-0.593
UICEFF05	1	-52.215661	112.648	-0.464
UICEFF06	1	7.151462	125.729	0.057
UICEFF07	1	-28.553147	116.700	-0.245
UICEFF08	1	-190.225	124.090	-1.533
UICEFF09	1	102.738	112.078	0.917
UICEFF10	1	-26.591572	114.610	-0.232
UICEFF11	1	-69.879579	117.437	-0.595
UICEFF12	1	235.075	114.021	2.062
UICEFF13	1	-186.509	116.041	-1.607
UICEFF14	1	-81.750703	111.638	-0.732
UICEFF15	1	92.014121	113.773	0.809
UICEFF16	1	-6.310188	105.438	-0.060
SERVICE	1	0.149776	0.057951	2.585
PREWENTY	1	-222.306	131.566	-1.766
OVERHAUL	1	-340.644	128.459	-2.652
DEPFLT	1	5.496375	64.105250	0.086
HSDGFTM	1	-2.266658	4.359701	-0.520
AFQTFM	1	2.758557	4.388527	0.629
ENAGEFTM	1	-22.170577	43.877724	-0.505
PRAGEFTM	1	9.675374	37.686447	0.257
PAYGRFTM	1	-130.128	66.434546	-1.959
YRACDFTM	1	-27.502955	44.229307	-0.622
TMEGRFTM	1	6.692805	4.525516	1.479
UFIIIFTM	1	-0.805179	1.078600	-0.747
LFIIIFTM	1	-0.143744	0.933832	-0.154

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	28706394	989876	1.968	0.0027
ERROR	339	170543291	503078		
C TCTAL	368	199249684			
ROOT MSE		709.280	R-SQUARE	0.1441	
EFF MEAN		424.293	ADJ R-SQ	0.0709	
C.V.		167.1675			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	1004.503	1247.757	0.805
UICEFF01	1	96.931235	173.354	0.559
UICEFF02	1	-87.083269	175.950	-0.495

UICEFF03	1	121.765	169.725	0.717
UICEFF04	1	-36.705429	159.858	-0.230
UICEFF05	1	72.604499	158.431	-0.458
UICEFF06	1	-29.599971	176.828	-0.167
UICEFF07	1	-55.175484	164.130	-0.336
UICEFF08	1	-204.636	174.524	-1.173
UICEFF09	1	147.482	157.630	0.936
UICEFF10	1	72.479301	161.191	0.450
UICEFF11	1	-203.621	165.167	-1.233
UICEFF12	1	297.674	160.362	1.856
UICEFF13	1	-131.971	163.203	-0.809
UICEFF14	1	-141.184	157.011	-0.899
UICEFF15	1	-12.761994	160.014	-0.080
UICEFF16	1	137.000	148.291	0.924
SERVICE	1	0.293408	0.081504	3.600
PREWNTY	1	-265.335	185.038	-1.434
OVERHAUL	1	-521.791	180.668	-2.888
DEPFLT	1	-6.705332	90.159414	-0.074
HSDGFTM	1	-0.858076	6.131605	-0.140
AFOTFTM	1	5.377812	6.172147	0.871
ENAGFTM	1	-94.749647	61.710856	-1.535
PRAGFTM	1	86.213154	53.003271	1.627
PAYGFTM	1	-249.152	93.435400	-2.667
YRACFTM	1	-61.993400	62.205333	-0.997
TMEGRFTM	1	2.024592	6.364813	0.318
UFILLFTM	1	-1.753569	1.516974	-1.156
LFILLFTM	1	-0.335709	1.313368	-0.256

READINESS REGRESSIONS FOR THE DS RATING

DEP VARIABLE: K1		TOTAL NUMBER OF CASREPS			
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	55.650098	1.918969	2.166	0.0006
ERROR	357	316.257	0.885874		
C TOTAL	386	371.907			
ROOT MSE		0.941209	R-SQUARE	0.1496	
DF MEAN		0.682171	ADJ R-SQ	0.0806	
C.V.		137.9726			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	-0.528062	2.307929	-0.229
UICEFF01	1	-0.531619	0.286406	-1.856
UICEFF02	1	0.183164	0.218960	0.837
UICEFF03	1	-0.397153	0.235918	-1.683
UICEFF04	1	-0.300566	0.235001	-1.279
UICEFF05	1	-0.192558	0.210125	-0.916
UICEFF06	1	-0.130845	0.219654	-0.596
UICEFF07	1	0.247678	0.226002	1.096
UICEFF08	1	-0.404295	0.211453	-1.912
UICEFF09	1	0.553169	0.210065	2.824
UICEFF10	1	0.447960	0.211597	2.117
UICEFF11	1	0.069473	0.211595	0.328
UICEFF12	1	-0.00727961	0.199733	-0.036
UICEFF13	1	0.297971	0.229660	1.297
UICEFF14	1	-0.322293	0.185488	-1.738
UICEFF15	1	-0.239854	0.191842	-1.250
UICEFF16	1	0.549196	0.195618	2.807
SERVICE	1	0.0005602021	0.001283466	0.436
PREWNTY	1	0.290767	0.184326	1.577
OVERHAUL	1	-0.770474	0.218472	-3.527
DEPFLT	1	0.039168	0.119485	0.328
HSDGES	1	-0.013797	0.014325	-0.963
AFOTES	1	-0.000263348	0.007948199	-0.033
ENAGFDS	1	0.112428	0.101690	1.106

PRAGEDS	1	0.00966694	0.053649	0.169
PAYGEDS	1	0.065471	0.170677	0.384
YRACDDS	1	-0.00871032	0.070700	-0.123
TMEGRDS	1	-0.00119979	0.009543255	-0.126
UFILIDS	1	-0.00252799	0.001475827	-1.713
LFILIDS	1	0.001565521	0.002776934	0.564

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	49.083129	1.692522	2.118	0.0009
ERROR	357	285.217	0.798926		
C TOTAL	386	334.300			
FCCT MSE		0.893827	R-SQUARE	0.1468	
DFP MEAN		0.607235	ADJ R-SQ	0.0775	
C.V.		147.1961			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.401659	2.191745	0.183
UICEFF01	1	-0.649457	0.271988	-2.388
UICEFF02	1	-0.186953	0.207937	-0.899
UICEFF03	1	-0.327746	0.224041	-1.463
UICEFF04	1	-0.204868	0.223171	-0.918
UICEFF05	1	-0.086807	0.199547	-0.435
UICEFF06	1	-0.231216	0.208596	-1.108
UICEFF07	1	-0.249805	0.214624	-1.164
UICEFF08	1	-0.358059	0.200808	-1.783
UICEFF09	1	0.459919	0.199490	2.506
UICEFF10	1	0.470721	0.200945	2.343
UICEFF11	1	0.169535	0.200943	0.844
UICEFF12	1	-0.109644	0.189678	-0.578
UICEFF13	1	0.293694	0.218098	1.347
UICEFF14	1	-0.264188	0.176150	-1.500
UICEFF15	1	-0.179944	0.182184	-0.988
UICEFF16	1	0.427453	0.185770	2.301
SERVICE	1	0.0003487292	0.001218855	0.286
PREWENTY	1	0.285072	0.175047	1.629
OVERHAUL	1	-0.688963	0.207474	-3.321
DEPFI1	1	-0.081168	0.113470	-0.715
HSDGDS	1	-0.014832	0.013604	-1.090
AFOTCS	1	0.001099576	0.007548074	0.146
ENAGEDS	1	0.056391	0.096571	0.584
PRAGEDS	1	0.018297	0.050948	0.359
PAYGEDS	1	0.083181	0.162084	0.513
YRACDDS	1	-0.012123	0.067141	-0.181
TMEGEDS	1	-0.00498215	0.009062833	-0.550
UFILIDS	1	-0.00281364	0.001401532	-2.008
LFILIDS	1	0.000214115	0.002637139	0.081

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	4.811306	0.165907	1.973	0.0025
ERROR	357	30.012291	0.084068		
C TOTAL	386	34.823597			
FCCT MSE		0.289945	R-SQUARE	0.1382	
DFP MEAN		0.172177	ADJ R-SQ	0.0682	
C.V.		168.3989			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.557723	0.710971	-0.841
UICEFF01	1	-0.123000	0.088229	-1.394

UICEFF02	1	-0.051817	0.067452	-0.768
UICEFF03	1	-0.070825	0.072676	-0.975
UICEFF04	1	-0.057001	0.072393	-0.787
UICEFF05	1	-0.026751	0.064730	-0.413
UICEFF06	1	0.00872811	0.067666	0.131
UICEFF07	1	-0.081803	0.069621	1.175
UICEFF08	1	-0.131417	0.065139	-2.017
UICEFF09	1	-0.229811	0.064712	3.551
UICEFF10	1	-0.055301	0.065184	1.462
UICEFF11	1	-0.035209	0.065183	-0.540
UICEFF12	1	-0.010959	0.061529	-0.178
UICEFF13	1	-0.044399	0.070748	-0.628
UICEFF14	1	-0.070728	0.057141	-1.238
UICEFF15	1	-0.065424	0.059098	-1.107
UICEFF16	1	0.186183	0.060261	3.090
SERVICE	1	-0.0005199803	0.0003953794	1.315
PREWRNTY	1	0.090504	0.056783	1.594
OVERHAUL	1	-0.191453	0.067302	-2.845
DEPFLT	1	-0.016535	0.036808	-0.449
HSDGDS	1	-0.00122568	0.004412946	-0.278
AFOTDS	1	-0.000314525	0.00244849	-0.128
ENAGEDS	1	0.038548	0.031326	1.231
PRAGEDS	1	0.0003561337	0.016527	0.024
PAYGEDS	1	0.016636	0.052578	0.316
YRACDS	1	0.007129149	0.021779	0.327
TMEGEDS	1	0.001388589	0.002939856	0.472
UFILLDS	1	-0.000589014	0.0004546374	-1.296
LFILLDS	1	0.0003109646	0.0008554511	0.364

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	67.707427	2.334739	1.647	0.0209
ERROR	357	505.958	1.417248		
C TOTAL	386	573.665			
FCOT MSE		1.190482	R-SQUARE	0.1180	
DEP MEAN		0.300506	ADJ R-SQ	0.0464	
C.V.		396.1599			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	-2.781793	2.919172	-0.953
UICEFF01	1	0.655121	0.362259	1.808
UICEFF02	1	-0.112013	0.276951	-0.404
UICEFF03	1	-0.350707	0.298399	-1.175
UICEFF04	1	-0.372614	0.297240	-1.254
UICEFF05	1	-0.403354	0.265775	-1.518
UICEFF06	1	0.306932	0.277828	1.105
UICEFF07	1	0.069503	0.285857	0.243
UICEFF08	1	-0.216291	0.267455	-0.809
UICEFF09	1	0.482217	0.265699	1.815
UICEFF10	1	-0.214432	0.267637	-0.801
UICEFF11	1	-0.394352	0.267635	-1.473
UICEFF12	1	0.255309	0.252631	1.169
UICEFF13	1	-0.070827	0.290484	-0.244
UICEFF14	1	-0.165137	0.234613	-0.704
UICEFF15	1	-0.224616	0.242650	-0.926
UICEFF16	1	0.689973	0.247426	2.789
SERVICE	1	-0.0006938789	0.0001623385	0.427
PREWRNTY	1	0.045069	0.233144	0.193
OVERHAUL	1	-0.307077	0.276333	-1.111
DEPFLT	1	-0.246564	0.151130	-1.631
HSDGDS	1	0.0004471869	0.018119	0.025
AFOTDS	1	-0.00547448	0.010053	-0.545
ENAGEDS	1	0.262033	0.128622	2.037
PRAGEDS	1	-0.081470	0.067857	-1.201

PAYGEDS	1	-0.130961	0.215879	-0.607
YRACEDS	1	0.066495	0.089424	0.744
TMEGEDS	1	0.010893	0.012071	0.902
UFILIDS	1	0.0004562995	0.001866692	0.241
LFILIDS	1	0.005302421	0.00351239	1.510

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-EASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PRCB>F
MODEL	29	11.198159	0.386143	1.787	0.0087
ERRCE	357	77.132590	0.216058		
C TOTAL	386	88.330749			
FCCT MSE		0.464820	R-SQUARE	0.1268	
DEP MEAN		0.219638	ADJ R-SQ	0.0558	
C.V.		211.6298			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.523605	1.139781	-1.337
UICEFF01	1	-0.348725	0.141443	-2.465
UICEFF02	1	0.008164077	0.108134	0.075
UICEFF03	1	-0.017028	0.116509	-0.146
UICEFF04	1	-0.028759	0.116056	-0.248
UICEFF05	1	-0.031687	0.103771	-0.305
UICEFF06	1	-0.152490	0.108477	-1.406
UICEFF07	1	0.195555	0.111612	1.752
UICEFF08	1	-0.036085	0.104427	-0.346
UICEFF09	1	0.126192	0.103741	1.216
UICEFF10	1	0.035036	0.104498	0.335
UICEFF11	1	-0.056657	0.104497	-0.542
UICEFF12	1	-0.084794	0.098639	-0.860
UICEFF13	1	0.001286242	0.113418	0.011
UICEFF14	1	0.026641	0.091604	0.291
UICEFF15	1	0.016521	0.094742	0.174
UICEFF16	1	0.361850	0.096607	3.746
SERVICE	1	-0.0002793744	0.0006338455	0.441
PREVENTY	1	0.252608	0.091030	2.775
OVERHAUL	1	-0.190222	0.107893	-1.763
DEPFLT	1	0.095208	0.059008	1.613
HSDGIS	1	0.005060051	0.007074536	0.715
AFCTES	1	-0.00354711	0.003925254	-0.904
ENAGEDS	1	0.033631	0.050220	0.670
PRAGEDS	1	0.024361	0.026495	0.919
PAYGEDS	1	-0.00404571	0.084289	-0.048
YRACEDS	1	0.004758923	0.034915	0.136
TMEGEDS	1	0.0002794365	0.004712979	0.059
UFILIDS	1	-0.000642525	0.0007288439	-1.156
LFILIDS	1	0.002669203	0.001371401	2.092

DEP VARIABLE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	20.772912	0.716307	2.098	0.0010
ERRCE	357	121.868	0.341367		
C TOTAL	386	142.641			
FOOT MSE		0.584266	R-SQUARE	0.1456	
DEP MEAN		0.260982	ADJ R-SQ	0.0762	
C.V.		223.8722			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.016186	1.432674	-0.709
UICEFF01	1	-0.273653	0.177790	-1.539

UICEFF02	1	-0.164842	0.135922	-1.213
UICEFF03	1	-0.067211	0.146449	-0.459
UICEFF04	1	-0.106686	0.145880	-0.731
UICEFF05	1	-0.127492	0.130437	-0.977
UICEFF06	1	-0.053372	0.136353	-0.391
UICEFF07	1	0.291338	0.140293	2.077
UICEFF08	1	-0.087603	0.131262	-0.667
UICEFF09	1	0.268017	0.130400	2.055
UICEFF10	1	0.269607	0.131351	2.053
UICEFF11	1	-0.036289	0.131350	-0.276
UICEFF12	1	-0.059527	0.123987	-0.480
UICEFF13	1	-0.160821	0.142564	-1.128
UICEFF14	1	-0.143177	0.115144	-1.243
UICEFF15	1	0.023773	0.119088	0.200
UICEFF16	1	0.554835	0.121432	4.569
SERVICE	1	-0.0002999648	-0.0007967263	0.376
PREWENTY	1	0.034126	0.114423	0.298
OVERHAUL	1	-0.229893	0.135619	-1.695
DEPFLT	1	0.014369	0.074172	0.194
HSDGDS	1	0.001159762	0.008892497	0.130
AFOTDS	1	-0.00132255	0.004933935	-0.268
ENAGDS	1	0.083447	0.063125	1.322
PRAGDS	1	-0.00393859	0.033303	-0.118
PAYGRDS	1	-0.0026219	0.105949	-0.247
YRACDS	1	0.009721058	0.043888	0.221
TMEGRDS	1	-0.00176774	0.005924085	-0.298
UFILIDS	1	-0.00219396	0.0009161366	-2.395
LFILIDS	1	0.0006353476	0.001723814	0.369

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10.334629	356367	1.500	0.0497
ERRCF	357	84797534	237528		
C TOTAL	386	95132163			
ROOT MSE		487.369	R-SQUARE	0.1086	
EFF MEAN		2.1602	ADJ R-SQ	0.0362	
C.V.		210.4336			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCF	1	1427.100	1195.072	1.194
UICEFF01	1	-93.360606	148.304	-0.630
UICEFF02	1	173.079	113.380	1.527
UICEFF03	1	-245.639	122.161	-2.044
UICEFF04	1	-66.552188	121.686	-0.547
UICEFF05	1	-149.807	108.805	-1.377
UICEFF06	1	-100.007	113.739	-0.879
UICEFF07	1	46.877443	117.026	0.401
UICEFF08	1	-118.805	109.493	-1.085
UICEFF09	1	96.674694	108.774	0.889
UICEFF10	1	17.787493	109.567	0.162
UICEFF11	1	57.186051	109.566	0.522
UICEFF12	1	0.414594	103.424	0.004
UICEFF13	1	147.120	118.920	1.237
UICEFF14	1	-102.648	96.047677	-1.069
UICEFF15	1	-123.658	99.338026	-1.245
UICEFF16	1	229.942	101.293	2.270
SERVICE	1	-0.079027	0.066459	-1.189
PREWENTY	1	1.024515	95.446140	0.011
OVERHAUL	1	-269.804	113.127	-2.385
DEPFLT	1	15.003400	61.870768	0.242
HSDGDS	1	-9.317422	7.417724	-1.256
AFOTDS	1	3.123381	4.115668	0.759
ENAGDS	1	-12.034148	52.656331	-0.229
PRAGDS	1	1.597868	27.779915	0.058
PAYGDS	1	-63.300337	88.378255	-0.716

YRACIDS	1	39.557572	36.609088	1.081
TNEGRDS	1	-5.794015	4.941607	-1.172
UFILIDS	1	-1.545428	0.764200	-2.022
LFILIDS	1	1.098127	1.437928	0.764

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	25055067	863968	1.763	0.0101
ERROR	357	174991221	490171		
C TCTAL	386	200046288			
ROOT MSE		700.122	R-SQUARE	0.1252	
EFF MEAN		415.708	ADJ R-SQ	0.0542	
C.V.		168.4169			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEE	1	1526.959	1716.764	0.889
UICEFF01	1	-205.896	213.045	-0.985
UICEFF02	1	93.434496	162.875	0.574
UICEFF03	1	-333.024	175.489	-1.898
UICEFF04	1	-106.916	174.807	-0.612
UICEFF05	1	-83.412622	156.302	-0.534
UICEFF06	1	-97.293380	163.391	-0.595
UICEFF07	1	221.710	168.112	1.319
UICEFF08	1	-277.883	157.290	-1.767
UICEFF09	1	362.930	156.258	2.323
UICEFF10	1	96.657409	157.397	0.614
UICEFF11	1	6.877429	157.396	0.044
UICEFF12	1	-58.137333	148.573	-0.391
UICEFF13	1	141.955	170.833	0.831
UICEFF14	1	-157.368	137.976	-1.141
UICEFF15	1	-21.599	142.703	-0.154
UICEFF16	1	448.822	145.511	3.084
SERVICE	1	0.012535	0.095471	0.131
PREWFNTY	1	110.862	137.112	0.809
OVERHAUL	1	-477.870	162.511	-2.941
DEPFIT	1	-73.025378	88.879586	-0.822
HSDGLS	1	-14.740557	10.655827	-1.383
AFOTDS	1	5.528154	5.912306	0.935
ENAGDS	1	15.448390	75.642717	0.204
PRAGDS	1	5.808131	39.906849	0.146
PAYGRDS	1	-120.520	126.959	-0.949
YRACDDS	1	50.713689	52.590274	0.964
TNEGRDS	1	-6.688859	7.098796	-0.942
UFILIDS	1	-2.418253	1.097801	-2.021
LFILIDS	1	1.366140	2.065636	0.661

READINESS REGRESSIONS FOR THE STG RATING

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	20.268807	0.698924	1.515	0.0457
ERROR	356	164.200	0.461236		
C TCTAL	385	184.469			
ROOT MSE		0.679144	R-SQUARE	0.1099	
EFF MEAN		0.427461	ADJ R-SQ	0.0374	
C.V.		158.8785			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEE	1	-0.518776	1.708023	-0.538
UICEFF01	1	-0.033838	0.166122	-0.204

UICEFF02	1	-0.086512	0.157208	-0.550
UICEFF03	1	-0.385005	0.151525	-2.5441
UICEFF04	1	-0.069413	0.163462	-0.425
UICEFF05	1	-0.074437	0.153853	-0.4844
UICEFF06	1	-0.075072	0.165288	-0.454
UICEFF07	1	-0.28036	0.150529	-1.913
UICEFF08	1	-0.070418	0.157609	-0.447
UICEFF09	1	-0.020773	0.157418	-0.132
UICEFF10	1	0.417820	0.144493	2.8922
UICEFF11	1	0.091927	0.144545	0.6366
UICEFF12	1	-0.158355	0.144371	-1.097
UICEFF13	1	0.160868	0.145978	1.102
UICEFF14	1	0.092932	0.132213	0.703
UICEFF15	1	0.056920	0.138047	0.412
UICEFF16	1	-0.050375	0.143794	-0.3500
SERVICE	1	-0.0004599422	-0.0009062631	0.508
PREWNTY	1	-0.011922	0.137252	-0.087
OVERHAUL	1	-0.410683	0.157989	-2.599
DEPFI	1	0.031261	0.087696	0.356
HSDGSTG	1	0.0000383508	0.00812942	0.005
AFOTSTG	1	0.003799823	0.008316237	0.457
ENAGESTG	1	0.037689	0.077069	0.489
PRAGESTG	1	-0.088821	0.054098	-1.642
PAYGRSTG	1	-0.070800	0.118437	-0.598
YRACSTG	1	0.034273	0.063639	0.539
TMEGRSTG	1	0.022229	0.010445	2.128
UPFILLSTG	1	0.00202789	0.001554667	1.304
LFILLSTG	1	0.001502406	0.002630244	0.571

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	LF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	5092971	175620	1.502	0.0491
ERROF	356	41612227	116888		
C TOTAL	385	46705198			
FOOT MSE		341.889	R-SQUARE	0.1090	
DEP MEAN		145.588	ADJ R-SQ	0.0365	
C.V.		234.8333			

VARIABLE	LF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	387.288	859.840	0.450
UICEFF01	1	-12.844347	83.628026	-0.154
UICEFF02	1	-65.242952	79.140391	-0.824
UICEFF03	1	-122.971	76.279388	-1.612
UICEFF04	1	-25.756477	82.288890	-0.313
UICEFF05	1	47.328670	77.451695	0.611
UICEFF06	1	-1.365058	83.207973	-0.016
UICEFF07	1	-79.270671	75.778361	-1.046
UICEFF08	1	-82.100229	79.342471	-1.035
UICEFF09	1	38.847221	79.245988	0.490
UICEFF10	1	154.884	72.739705	2.129
UICEFF11	1	65.911311	72.765675	0.906
UICEFF12	1	109.404	72.677996	1.505
UICEFF13	1	-119.194	73.487097	-1.622
UICEFF14	1	15.175206	66.557886	0.228
UICEFF15	1	-30.060331	69.494389	-0.433
UICEFF16	1	49.271831	72.387799	0.681
SERVICE	1	0.032904	0.045622	0.721
PREWNTY	1	16.487383	69.094244	0.239
OVERHAUL	1	-141.919	79.533497	-1.784
DEPFI	1	125.974	44.147273	2.853
HSDGSTG	1	-1.545400	4.092449	-0.378
AFOTSTG	1	6.446585	4.186495	1.540
ENAGESTG	1	-36.247389	38.797397	-0.934
PRAGESTG	1	-11.067756	27.233506	-0.406
PAYGRSTG	1	-20.205583	59.622880	-0.339

YRACSTG	1	-8.107961	32.036753	-0.253
TMEGSTG	1	12.738330	5.258269	2.423
UFILLSTG	1	1.195055	0.782639	1.527
LFILLSTG	1	1.110254	1.324097	0.838

READINESS REGRESSIONS FOR THE IC RATING

DEP VARIABLE: K1		TOTAL NUMBER OF CASREPS		
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE PROB>F
MODEL	29	61.710516	2.127949	3.143 0.0001
ERROR	259	175.376	0.677127	
C TOTAL	288	237.087		
ROOT MSE		0.822877	R-SQUARE	0.2603
EFF MEAN		0.657439	ADJ R-SQ	0.1775
C.V.		125.164		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2.140719	1.447101	1.479
UICEFF01	1	-0.329720	0.211163	-1.561
UICEFF02	1	-0.402303	0.220066	-1.828
UICEFF03	1	-0.474154	0.209480	-2.263
UICEFF04	1	0.586107	0.204002	2.834
UICEFF05	1	0.151683	0.218146	0.695
UICEFF06	1	-0.483153	0.208214	-2.320
UICEFF07	1	0.197796	0.212998	0.929
UICEFF08	1	-0.063647	0.203447	-0.313
UICEFF09	1	0.319575	0.216757	1.474
UICEFF10	1	-0.244242	0.209913	-1.164
UICEFF11	1	-0.304981	0.206839	-1.474
UICEFF12	1	-0.234084	0.219558	-1.066
UICEFF13	1	0.727631	0.212384	3.426
UICEFF14	1	0.385512	0.207522	1.858
UICEFF15	1	0.309917	0.276829	1.120
UICEFF16	1	-0.046072	0.225022	-0.205
SERVICE	1	-0.000117653	0.0001348488	-0.872
PREWNTY	1	0.450205	0.457193	0.985
OVERHAUL	1	-0.496843	0.268197	-1.853
DEPFLT	1	0.286595	0.111846	2.562
HSDGIC	1	0.00285514	0.005011184	0.570
AFOTIC	1	0.001255923	0.005621398	0.223
ENAGEIC	1	0.033800	0.085261	0.396
PRAGEIC	1	-0.073346	0.064227	-1.142
PAYGEIC	1	-0.198997	0.119575	-1.664
YRACIC	1	0.076053	0.083545	0.910
TMEGIC	1	-0.000194689	0.009596463	-0.020
UFILIC	1	0.001260267	0.001107804	1.138
LFILIC	1	-0.00285561	0.002296449	-1.243

DEP VARIABLE: K2		TOTAL NUMBER OF C-2 CASREPS		
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE PROB>F
MODEL	29	55.432164	1.911454	3.195 0.0001
ERROR	259	154.935	0.598203	
C TOTAL	288	210.367		
ROOT MSE		0.773436	R-SQUARE	0.2635
EFF MEAN		0.615917	ADJ R-SQ	0.1810
C.V.		125.5747		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2.380887	1.360153	1.750

UICEFF01	1	-0.365286	0.198476	-1.840
UICEFF02	1	-0.365117	0.206843	-1.765
UICEFF03	1	-0.430855	0.196894	-2.188
UICEFF04	1	1.018919	0.191745	5.314
UICEFF05	1	0.165479	0.205039	0.807
UICEFF06	1	-0.435080	0.195703	-2.223
UICEFF07	1	0.031969	0.200200	0.160
UICEFF08	1	-0.046891	0.191223	-0.245
UICEFF09	1	0.259989	0.203733	1.276
UICEFF10	1	-0.191593	0.197301	-0.971
UICEFF11	1	-0.235732	0.194412	-1.213
UICEFF12	1	-0.173237	0.206367	-0.839
UICEFF13	1	0.551243	0.199623	2.761
UICEFF14	1	0.448278	0.195053	2.298
UICEFF15	1	0.286107	0.260196	1.100
UICEFF16	1	-0.123922	0.211502	-0.586
SERVICE	-0.000	154205	0.001267466	-1.217
PREWNTY	1	0.485193	0.429723	1.129
OVERHAUI	1	-0.470370	0.252082	-1.866
DEPFI	1	0.268897	0.105126	2.558
HSDGIC	1	0.000253543	0.004710093	0.054
AFOTIC	1	0.001156953	0.005283643	0.219
ENAGEIC	1	0.001315869	0.080138	0.016
PRAGEIC	1	-0.037664	0.060368	-0.624
PAYGEIC	1	-0.248241	0.112391	-2.209
YRACLIC	1	0.064343	0.078525	0.819
TMEGIC	1	-0.000058565	0.009019871	-0.001
UFILLIC	1	0.001206934	0.001041243	1.159
LFILLIC	1	-0.00188316	0.00215847	-0.872

DEP VARIAELE: INDEX01 LOG-TRANSFORMED READINESS INDEX
(NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	5.651640	0.194884	2.788	0.0001
ERRCF	259	18.107128	0.069912		
C TOTAL	288	23.758768			
RCOT MSE		0.264408	R-SQUARE	0.2379	
DEF MEAN		0.182942	ADJ R-SQ	0.1525	
C.V.		144.5308			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	0.391875	0.464984	0.843
UICEFF01	1	-0.077404	0.067851	-1.141
UICEFF02	1	-0.129569	0.070712	-1.832
UICEFF03	1	-0.154606	0.067311	-2.297
UICEFF04	1	0.275037	0.065550	4.196
UICEFF05	1	0.056543	0.070095	0.807
UICEFF06	1	-0.154138	0.066904	-2.304
UICEFF07	1	0.068637	0.068441	1.003
UICEFF08	1	-0.013010	0.065372	-0.199
UICEFF09	1	0.156508	0.069649	2.247
UICEFF10	1	-0.106655	0.067450	-1.581
UICEFF11	1	-0.097562	0.066462	-1.468
UICEFF12	1	-0.071378	0.070549	-1.012
UICEFF13	1	0.219014	0.068243	3.209
UICEFF14	1	0.074321	0.066681	1.115
UICEFF15	1	0.110073	0.088951	1.237
UICEFF16	1	0.018776	0.072304	0.260
SERVICE	-0.000	0.227644	0.0004332983	-0.525
PREWNTY	1	0.071844	0.146906	0.489
OVERHAUI	1	-0.160277	0.086177	-1.860
DEPFI	1	0.045781	0.035939	1.274
HSDGIC	1	0.0006878194	0.001610201	0.427
AFOTIC	1	-0.000052075	0.001806276	-0.288
ENAGEIC	1	0.014878	0.027396	0.543

PRAGRIC	1	-0.013500	0.020637	-0.654
PAYGRIC	1	-0.055900	0.038422	-1.455
YRACRIC	1	0.029091	0.026845	1.084
TMEGRIC	1	-0.000933988	0.003083549	-0.303
UFILLIC	1	0.0004194244	0.0003559611	1.178
LFILLIC	1	-0.000902599	0.0007378984	-1.223

DEP VARIABLE: TECHASS NUMBER OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11.630195	0.401041	1.519	0.0479
ERRCR	259	68.383646	0.264030		
C TCTAL	288	80.013841			
FCOT MSE		0.513838	R-SQUARE	0.1454	
DEP MEAN		0.262976	ADJ R-SQ	0.0497	
C.V.		195.3937			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1.514074	0.903628	-1.676
UICEFF01	1	-0.076248	0.131859	-0.578
UICEFF02	1	-0.296739	0.137418	-2.159
UICEFF03	1	-0.222865	0.130808	-1.704
UICEFF04	1	0.422783	0.127387	3.319
UICEFF05	1	0.211038	0.136219	1.549
UICEFF06	1	-0.162330	0.130017	-1.249
UICEFF07	1	-0.045498	0.133005	-0.342
UICEFF08	1	0.018273	0.127041	0.144
UICEFF09	1	0.108018	0.135352	0.798
UICEFF10	1	0.065509	0.131078	0.500
UICEFF11	1	0.031040	0.129159	0.240
UICEFF12	1	0.130190	0.137101	0.950
UICEFF13	1	0.124715	0.132621	0.940
UICEFF14	1	0.030758	0.129585	0.237
UICEFF15	1	-0.186381	0.172863	-1.078
UICEFF16	1	-0.131054	0.140513	-0.933
SERVICE	1	-0.000062289	0.0008420508	-0.074
PREWENTY	1	-0.014166	0.285490	-0.050
OVERHAUL	1	-0.204389	0.167473	-1.220
DEPFLT	1	0.105396	0.069841	1.509
HSDGIC	1	0.002748117	0.003129186	0.878
AFOTIC	1	0.004108118	0.003510228	1.170
ENAGEIC	1	0.070014	0.053240	1.315
PRAGRIC	1	0.021932	0.040106	0.547
PAYGRIC	1	-0.162749	0.074668	-2.180
YRACRIC	1	0.057519	0.052169	1.103
TMEGRIC	1	-0.0030611	0.00599242	-0.511
UFILLIC	1	-0.000605685	0.0006917574	-0.876
LFILLIC	1	-0.000290969	0.001433996	-0.203

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8924397	307738	1.884	0.0054
ERRCR	259	42309472	163357		
C TCTAL	288	51233868			
FCOT MSE		404.175	R-SQUARE	0.1742	
DEP MEAN		201.685	ADJ R-SQ	0.0817	
C.V.		200.3988			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	154.238	710.776	0.217

UICEFF01	1	3.792610	103.717	0.037
UICEFF02	1	-147.026	108.090	-1.360
UICEFF03	1	-181.561	102.891	-1.765
UICEFF04	1	262.713	100.200	2.622
UICEFF05	1	150.248	107.147	1.402
UICEFF06	1	-159.445	102.269	-1.559
UICEFF07	1	70.213352	104.619	0.671
UICEFF08	1	115.886	99.927641	1.200
UICEFF09	1	211.406	106.465	1.986
UICEFF10	1	-171.303	103.104	-1.661
UICEFF11	1	-150.059	101.594	-1.477
UICEFF12	1	-81.035707	107.841	-0.751
UICEFF13	1	143.431	104.317	1.375
UICEFF14	1	30.748253	101.929	0.302
UICEFF15	1	115.828	135.971	0.852
UICEFF16	1	3.126010	110.524	0.028
SERVICE	1	0.00769305	0.066234	0.119
PREWENTY	1	330.791	224.560	1.473
OVERHAUL	1	-237.945	131.731	-1.806
DEPFLT	1	-15.476540	54.935846	-0.282
HSDGIC	1	-0.663030	2.461354	-0.269
AFOTIC	1	-2.841369	2.761074	-1.029
ENAGEIC	1	19.959664	41.877810	0.477
PRAGEIC	1	8.344179	31.546364	0.265
PAYGRIC	1	-64.066344	58.732149	-1.091
YRACIC	1	12.058759	41.034738	0.295
TMEGRIC	1	-3.681000	4.713515	-0.781
UFILIC	1	0.791707	0.544122	1.455
LFILIC	1	-0.512476	1.127952	-0.454

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	IF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEI	29	23227793	800958	1.878	0.0056
ERRCE	259	110487890	426594		
C TCTAL	288	133715683			
FOOT MSE		653.142			
DEF MEAN		401.301			
C.V.		162.7561			
			R-SQUARE	0.1737	
			ADJ R-SQ	0.0812	

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	1483.404	1148.606	1.291
UICEFF01	1	-83.765477	167.606	-0.500
UICEFF02	1	-309.175	174.672	-1.770
UICEFF03	1	-359.926	166.271	-2.165
UICEFF04	1	467.255	161.922	2.886
UICEFF05	1	143.863	173.149	0.831
UICEFF06	1	-359.298	165.265	-2.174
UICEFF07	1	152.550	169.063	0.902
UICEFF08	1	119.270	161.482	0.739
UICEFF09	1	259.205	172.046	1.507
UICEFF10	1	-83.214439	166.614	-0.499
UICEFF11	1	-280.915	164.174	-1.711
UICEFF12	1	-215.607	174.270	-1.237
UICEFF13	1	358.009	168.575	2.124
UICEFF14	1	151.134	164.716	0.918
UICEFF15	1	225.738	219.727	1.027
UICEFF16	1	45.293568	178.606	0.254
SERVICE	1	-0.151825	0.107033	-1.418
PREWENTY	1	417.256	362.887	1.150
OVERHAUL	1	-345.157	212.876	-1.621
DEPFLT	1	131.726	88.775751	1.484
HSDGIC	1	0.589926	3.977522	0.148
AFOTIC	1	-3.696041	4.461867	-0.828
ENAGEIC	1	-4.770278	67.674102	-0.070
PRAGEIC	1	-0.776035	50.978593	-0.015

PAYGRIC	1	-143.925	94.910537	-1.516
YRACLIC	1	-4.015163	66.311707	-0.061
TMEGRIC	1	1.794744	7.616991	0.236
UFILLIC	1	1.210626	0.879296	1.377
LFILLIC	1	-0.979173	1.822758	-0.537

READINESS REGRESSIONS FOR THE EM RATING

DEP VARIABLE: K1		TOTAL NUMBER OF CASREPS			
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	112.313	3.872857	1.818	0.0081
ERROR	259	551.687	2.130066		
C TOTAL	288	664.000			
R-COI MSE		1.459475	R-SQUARE	0.1691	
DEP MEAN		1.294118	ADJ R-SQ	0.0761	
C.V.		112.7776			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	1.613699	2.705142	0.597
UICEFF01	1	-0.071628	0.387855	-0.185
UICEFF02	1	-0.179933	0.369283	-0.487
UICEFF03	1	-0.427624	0.379634	-1.126
UICEFF04	1	0.946643	0.446446	2.120
UICEFF05	1	-0.263893	0.390705	-0.675
UICEFF06	1	-1.059224	0.425639	-2.489
UICEFF07	1	1.312535	0.370471	3.543
UICEFF08	1	-0.034924	0.406296	-0.086
UICEFF09	1	0.533003	0.389872	1.367
UICEFF10	1	0.372500	0.369084	1.009
UICEFF11	1	-0.090435	0.386261	-0.234
UICEFF12	1	-0.555109	0.378952	-1.570
UICEFF13	1	-0.191092	0.373651	-0.511
UICEFF14	1	-0.097272	0.400059	-0.243
UICEFF15	1	0.341512	0.387000	0.882
UICEFF16	1	-0.625138	0.447279	-1.398
SERVICE	1	-0.000665594	0.0002666932	-0.250
PREWENTY	1	0.050794	0.807854	0.063
OVERHAUL	1	-0.952483	0.484826	-1.965
DEPFLT	1	0.2293156	0.204896	1.431
HSDGEM	1	0.005349406	0.012427	0.430
APOTEM	1	-0.00533967	0.008376434	-0.637
ENAGEEM	1	-0.019354	0.159859	-0.121
PRAGEEM	1	0.042267	0.090194	0.469
PAYGEM	1	-0.248110	0.261710	-0.948
YRACDEM	1	0.029022	0.112844	0.257
TMEGDEM	1	0.00471601	0.015544	0.303
UFILLEM	1	-0.00296698	0.003817983	-0.777
LFILLEM	1	-0.000369933	0.002261302	-0.164

DEP VARIABLE: K2		TOTAL NUMBER OF C-2 CASREPS			
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	81.461588	2.809020	1.559	0.0383
ERROR	259	466.566	1.801413		
C TOTAL	288	548.028			
R-COI MSE		1.342167	R-SQUARE	0.1486	
DEP MEAN		1.166090	ADJ R-SQ	0.0533	
C.V.		115.0998			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
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INTERCEP	1	1.667562	2.487712	0.678
UICEFF01	1	-0.052576	0.356681	-0.147
UICEFF02	1	-0.179605	0.339601	-0.529
UICEFF03	1	-0.343115	0.349121	-0.983
UICEFF04	1	-0.53471	0.410562	-0.322
UICEFF05	1	-0.221949	0.359301	-0.618
UICEFF06	1	-0.755734	0.391428	-1.931
UICEFF07	1	-0.537592	0.340694	-2.752
UICEFF08	1	-0.161668	0.373639	-0.433
UICEFF09	1	0.634115	0.358535	1.769
UICEFF10	1	0.162116	0.339418	0.478
UICEFF11	1	0.133786	0.355215	0.377
UICEFF12	1	-0.560824	0.348493	-1.609
UICEFF13	1	-0.184748	0.343618	-0.538
UICEFF14	1	0.030227	0.367904	0.082
UICEFF15	1	0.021740	0.355895	0.061
UICEFF16	1	-0.347637	0.411328	-0.845
SERVICE	1	-0.0002730476	0.002452574	0.111
PREWENTY	1	-0.095119	0.742922	0.128
OVERHAUI	1	-0.952779	0.445858	-2.137
DEPFLT	1	0.393257	0.188427	2.087
HSDGEM	1	0.00835134	0.011428	0.731
AFOTEM	1	0.000394711	0.007703167	0.051
ENAGEEM	1	-0.098601	0.147010	-0.671
PRAGEEM	1	0.046046	0.082945	0.555
PAYGEM	1	-0.141387	0.240675	-0.587
YRACDEN	1	-0.014421	0.103774	-0.139
TMEGEM	1	0.012570	0.014295	0.879
UFILLEM	1	-0.00234872	0.003511107	-0.669
LFILLEM	1	-0.00023151	0.002079547	-0.111

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8.513586	0.293572	1.672	0.0200
ERROR	259	45.486414	0.175623		
C TCTAL	288	54.000000			
ROOT MSE		0.419074	R-SQUARE	0.1577	
DEF MEAN		0.117647	ADJ R-SQ	0.0633	
C.V.		356.2131			

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-0.514735	0.776756	-0.663
UICEFF01	1	-0.015029	0.111369	-0.135
UICEFF02	1	0.017537	0.106036	0.165
UICEFF03	1	-0.068889	0.109008	-0.632
UICEFF04	1	-0.038539	0.128193	-0.301
UICEFF05	1	-0.047759	0.112187	-0.426
UICEFF06	1	-0.301774	0.122218	-2.469
UICEFF07	1	0.382716	0.106377	3.598
UICEFF08	1	0.127021	0.116664	1.089
UICEFF09	1	-0.058736	0.111948	-0.793
UICEFF10	1	0.228506	0.105979	2.156
UICEFF11	1	-0.230740	0.110911	-2.080
UICEFF12	1	-0.038391	0.108812	-0.353
UICEFF13	1	-0.00282174	0.107290	-0.026
UICEFF14	1	-0.098953	0.114873	-0.861
UICEFF15	1	0.265486	0.111123	2.389
UICEFF16	1	-0.254001	0.128432	-1.978
SERVICE	1	-0.000055743	0.007657841	-0.287
PREWENTY	1	-0.053665	0.231968	-0.231
OVERHAUI	1	0.001777491	0.139213	0.013
DEPFLT	1	-0.085782	0.058834	-1.458
HSDGEM	1	-0.00122457	0.003568302	-0.343
AFOTEM	1	-0.00521788	0.002405213	-2.169
ENAGEEM	1	0.086593	0.045902	1.886

PRAGEEM	1	-0.0062044	0.025898	-0.240
PAYGEM	1	-0.082115	0.075148	-1.093
YRACDEM	1	0.046582	0.032402	1.438
TMEGFEM	1	-0.0080887	0.004463415	-1.812
UFILLEM	1	-0.000551067	0.001096297	-0.503
LFILLEM	1	0.0006927328	0.0006493113	0.107

DEP VARIAELE: INDEX01 LOG-TRANSFORMED READINESS INDEX
(NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	13.628837	0.469960	1.867	0.0060
ERROR	259	65.204375	0.251754		
C TOTAL	288	78.833211			
ROOT MSE		0.501751	R-SQUARE		0.1729
DEF MEAN		0.419071	ADJ R-SQ		0.0803
C.V.		119.7293			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.163263	0.929998	-0.176
UICEFF01	1	-0.041407	0.133340	-0.311
UICEFF02	1	-0.050632	0.126955	-0.714
UICEFF03	1	-0.161666	0.130514	-1.239
UICEFF04	1	0.267048	0.153483	1.740
UICEFF05	1	0.001876846	0.134320	0.014
UICEFF06	1	-0.411564	0.146330	-2.813
UICEFF07	1	0.417308	0.127364	3.277
UICEFF08	1	0.080148	0.139680	0.574
UICEFF09	1	0.279615	0.134034	2.086
UICEFF10	1	0.115086	0.126887	0.907
UICEFF11	1	-0.154089	0.132792	-1.160
UICEFF12	1	-0.181716	0.130279	-1.395
UICEFF13	1	-0.076943	0.128457	-0.599
UICEFF14	1	0.051533	0.137536	0.375
UICEFF15	1	0.096193	0.133046	0.723
UICEFF16	1	-0.233321	0.153770	-1.517
SERVICE	1	-0.000037569	0.0009168618	-0.041
PREWENTY	1	-0.107071	0.277731	-0.386
OVERHAUL	1	-0.364616	0.166678	-2.188
DEPFIT	1	0.005951188	0.070441	0.084
HSDGEM	1	0.0038948	0.004272274	0.912
AFOTEM	1	-0.0041405	0.002879725	-1.438
ENAGEEM	1	0.003035905	0.054958	0.055
PRAGEEM	1	0.028523	0.031008	0.920
PAYGEM	1	-0.023304	0.089973	-0.259
YRACDEM	1	-0.018985	0.038795	-0.489
TMEGFEM	1	0.003484655	0.005343979	0.652
UFILLEM	1	-0.00236155	0.00131258	-1.799
LFILLEM	1	0.0001930201	0.0007774107	0.248

DEP VARIAELE: MEMRAC LOG-TRANSFORMED READINESS INDEX
(SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	169.493	5.844571	1.839	0.0071
ERROR	259	823.140	3.178148		
C TOTAL	288	992.633			
ROOT MSE		1.782736	R-SQUARE		0.1708
DEF MEAN		0.514265	ADJ R-SQ		0.0779
C.V.		346.6574			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.686898	3.304308	0.208

UICEFF01	1	-0.256446	0.473762	-0.541
UICEFF02	1	-0.044984	0.451076	-0.100
UICEFF03	1	-0.384200	0.463720	-0.829
UICEFF04	1	-0.202770	0.545330	-0.372
UICEFF05	1	-0.203671	0.477243	-0.427
UICEFF06	1	-1.115340	0.519914	-2.145
UICEFF07	1	1.828809	0.452527	4.041
UICEFF08	1	0.515928	0.496287	1.040
UICEFF09	1	-0.384534	0.476225	-0.807
UICEFF10	1	0.648255	0.450833	1.438
UICEFF11	1	-0.841914	0.471815	-1.784
UICEFF12	1	-0.180370	0.462886	-0.390
UICEFF13	1	-0.045570	0.456411	-0.100
UICEFF14	1	-0.506191	0.488669	-1.036
UICEFF15	1	1.200507	0.472717	2.540
UICEFF16	1	-1.049684	0.546347	-1.921
SERVICE	1	-0.000351815	0.0003257635	-1.080
PREWNTY	1	-0.203476	0.986787	-0.206
OVERHAUL	1	0.00277628	0.592212	0.005
DEPFLT	1	-0.478810	0.250279	-1.913
HSDGEM	1	-0.011049	0.015180	-0.728
AFOTEM	1	-0.020943	0.010232	-2.047
ENAGEEM	1	0.251993	0.195266	1.291
PRAGEEM	1	-0.0098489	0.110172	-0.089
PAYGEM	1	-0.443085	0.319677	-1.386
YRACLEM	1	0.160968	0.137839	1.168
TMEGEM	1	-0.028070	0.018987	-1.478
UFILLEM	1	-0.00289808	0.004663634	-0.621
LFILLEM	1	-0.000466415	0.002762162	-0.169

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	CF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PRCB>F
MODEL	29	29.317553	1.010950	1.649	0.0228
ERROR	259	158.738	0.612887		
C TOTAL	288	188.055			
ROCT MSE		0.782871	R-SQUARE	0.1559	
CEE MEAN		0.474048	ADJ R-SQ	0.0614	
C.V.		165.1458			

VARIABLE	CF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.344808	1.451055	-0.238
UICEFF01	1	-0.143579	0.208048	-0.690
UICEFF02	1	-0.331464	0.198086	-1.673
UICEFF03	1	-0.062231	0.203638	-0.306
UICEFF04	1	0.396020	0.239476	1.654
UICEFF05	1	-0.099136	0.209576	-0.473
UICEFF06	1	-0.542270	0.228315	-2.375
UICEFF07	1	0.450472	0.198723	2.267
UICEFF08	1	0.062785	0.217939	0.288
UICEFF09	1	0.647706	0.209130	3.097
UICEFF10	1	0.083849	0.197979	0.424
UICEFF11	1	-0.459636	0.207193	-2.218
UICEFF12	1	-0.120671	0.203272	-0.594
UICEFF13	1	-0.146501	0.200428	-0.731
UICEFF14	1	0.104469	0.214594	0.487
UICEFF15	1	0.200044	0.207589	0.964
UICEFF16	1	-0.031777	0.239923	-0.132
SERVICE	1	0.0002880736	0.001430559	0.201
PREWNTY	1	0.394591	0.433338	0.911
OVERHAUL	1	-0.442508	0.260064	-1.702
DEPFLT	1	-0.097700	0.109907	-0.889
HSDGEM	1	0.004278639	0.006665933	0.642
AFOTEM	1	-0.00177222	0.004493171	-0.394
ENAGEEM	1	0.012113	0.085749	0.141

PRAGEEM	1	0.031105	0.048381	0.643
PAYGREM	1	-0.041558	0.140383	-0.296
YRACDEM	1	-0.033546	0.060530	-0.554
TMEGDEM	1	0.008767164	0.008338091	1.051
UFILLEM	1	-0.00398179	0.002047989	-1.944
LFILLEM	1	0.0009958868	0.001212976	0.082

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	30868466	1064430	1.621	0.0270
ERROR	288	170098105	656749		
C TOTAL	288	200966571			
ROOT MSE		810.401	R-SQUARE		0.1536
DEP MEAN		544.699	ADJ R-SQ		0.0588
C.V.		148.7796			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	-1506.482	1502.081	-1.003
UICEFF01	1	4.620081	215.364	0.021
UICEFF02	1	-191.828	205.051	-0.936
UICEFF03	1	-133.112	210.799	-0.631
UICEFF04	1	148.936	247.897	0.601
UICEFF05	1	183.962	216.946	0.848
UICEFF06	1	-659.135	236.344	-2.789
UICEFF07	1	606.410	205.711	2.948
UICEFF08	1	320.557	225.603	1.421
UICEFF09	1	459.490	216.484	2.307
UICEFF10	1	-3.649388	204.941	-0.018
UICEFF11	1	-323.368	214.479	-1.508
UICEFF12	1	-275.729	210.420	-1.329
UICEFF13	1	-144.308	207.476	-0.696
UICEFF14	1	224.854	222.140	1.012
UICEFF15	1	-138.833	214.889	-0.646
UICEFF16	1	-189.291	248.360	-0.762
SERVICE	1	0.099191	0.148086	0.670
PREWENTY	1	-167.598	448.576	-0.374
OVERHAUL	1	-639.278	269.209	-2.375
DEPFIT	1	-132.770	113.772	-1.167
HSDGEM	1	10.814167	6.900340	1.567
AFOTEM	1	-7.752296	4.651173	-1.667
ENAGEEM	1	12.190167	88.764586	0.137
PRAGEEM	1	49.669787	50.082160	0.992
PAYGREM	1	123.803	145.320	0.852
YRACDEM	1	-78.578295	62.659026	-1.260
TMEGDEM	1	7.504451	8.631299	0.869
UFILLEM	1	-4.822770	2.120007	-2.275
LFILLEM	1	0.311079	1.255631	0.248

READINESS REGRESSIONS FOR THE GMT RATING

DEP VARIABLE: K1 TOTAL NUMBER OF CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	38.638444	1.332360	2.986	0.0001
ERROR	356	158.825	0.446138		
C TOTAL	385	197.464			
FOCT MSE		0.667936	R-SQUARE		0.1957
DEP MEAN		0.448187	ADJ R-SQ		0.1302
C.V.		149.0308			

PARAMETER	STANDARD ERROR	T FOR H0:
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VARIABLE	IF	ESTIMATE	ERROR	PARAMETER=0
INTERCEP	1	1.420674	0.765593	1.856
UICEFF01	1	0.039623	0.163069	0.243
UICEFF02	1	-0.109919	0.165362	-0.665
UICEFF03	1	0.009905309	0.169915	0.058
UICEFF04	1	0.206465	0.155116	1.331
UICEFF05	1	0.422117	0.156668	2.694
UICEFF06	1	-0.486432	0.203159	-2.394
UICEFF07	1	-0.039428	0.153794	-0.256
UICEFF08	1	0.310998	0.162909	1.909
UICEFF09	1	-0.235759	0.142228	-1.658
UICEFF10	1	0.593738	0.149913	3.961
UICEFF11	1	-0.460050	0.139130	-3.307
UICEFF12	1	-0.311823	0.149995	-2.079
UICEFF13	1	0.405724	0.146378	2.772
UICEFF14	1	-0.00360496	0.131608	-0.027
UICEFF15	1	-0.050051	0.131629	-0.380
UICEFF16	1	-0.269182	0.145529	-1.850
SERVICE	1	-0.00012654	0.08010645	-1.580
PREWENTY	1	-0.010458	0.133483	-0.078
OVERHAUL	1	-0.489597	0.156772	-3.123
DEPFLT	1	-0.035485	0.085130	-0.417
HSDGGMT	1	-0.00578906	0.002500254	-2.315
AFOTGHT	1	-0.00496096	0.003494172	-1.420
ENAGIGHT	1	0.089007	0.040822	2.180
PRAGIGHT	1	-0.075815	0.026740	-2.835
PAYGIGHT	1	0.042952	0.082166	0.523
YRACIGHT	1	0.033628	0.034895	0.964
THEGIGHT	1	-0.00294353	0.004724591	-0.623
UFILIGHT	1	0.003563588	0.0007746021	0.460
LFILIGHT	1	-0.00141169	0.0007642126	-1.847

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	IF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	27.796575	0.958503	2.496	0.0001
ERROR	356	136.735	0.384086		
C TOTAL	385	164.531			
R-SQ		0.619746			
DEF MEAN		0.375648			
C.V.		164.9808			
			R-SQUARE	0.1689	
			ADJ R-SQ	0.1012	

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	1.130342	0.710358	1.591
UICEFF01	1	0.037982	0.151304	0.251
UICEFF02	1	-0.000316768	0.153431	-0.002
UICEFF03	1	0.045855	0.157657	0.291
UICEFF04	1	0.226795	0.143924	1.576
UICEFF05	1	0.253943	0.145365	1.747
UICEFF06	1	-0.367451	0.188502	-1.949
UICEFF07	1	-0.148478	0.142698	-1.041
UICEFF08	1	0.233208	0.151156	1.543
UICEFF09	1	-0.168027	0.131967	-1.273
UICEFF10	1	0.558650	0.139097	4.016
UICEFF11	1	-0.367464	0.129092	-2.847
UICEFF12	1	-0.248999	0.139174	-1.789
UICEFF13	1	0.327825	0.135818	2.414
UICEFF14	1	0.001008878	0.122113	0.008
UICEFF15	1	-0.048645	0.122132	-0.398
UICEFF16	1	-0.258757	0.135030	-2.213
SERVICE	1	-0.000123366	0.0007432702	-1.660
PREWENTY	1	-0.00629368	0.123853	-0.051
OVERHAUL	1	-0.391772	0.145462	-2.693
DEPFLT	1	0.040046	0.078988	0.507
HSDGGMT	1	-0.00499457	0.002319868	-2.153

AFQTGMT	1	-0.00289024	0.003242078	-0.891
ENAGEGMT	1	0.064742	0.037877	1.709
PRAGEGMT	1	-0.056653	0.024811	-2.283
PAYGEGMT	1	0.042682	0.076238	0.560
YRACIGMT	1	0.035176	0.032378	1.086
THEGEGMT	1	-0.00396462	0.004383727	-0.904
UPILLGMT	1	-0.00006247	0.000718717	-0.087
LPILLGMT	1	-0.00110115	0.0007090771	-1.553

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	2.221987	0.076620	1.918	0.0036
ERROR	385	14.224731	0.039957		
C TOTAL		16.446718			
ROOT MSE		0.199893	R-SQUARE	0.1351	
DEF MEAN		0.110889	ADJ R-SQ	0.0646	
C.V.		180.2632			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	0.437892	0.229118	1.911
UICEFF01	1	0.023632	0.048802	0.484
UICEFF02	1	-0.037990	0.049488	-0.768
UICEFF03	1	-0.017551	0.050850	-0.345
UICEFF04	1	0.004914313	0.046421	0.106
UICEFF05	1	0.072494	0.046886	1.546
UICEFF06	1	-0.050026	0.060799	-0.823
UICEFF07	1	-0.026031	0.046026	-0.566
UICEFF08	1	0.068436	0.048754	1.404
UICEFF09	1	-0.065355	0.042565	-1.535
UICEFF10	1	0.146699	0.044864	3.270
UICEFF11	1	-0.110645	0.041637	-2.657
UICEFF12	1	-0.072285	0.044889	-1.610
UICEFF13	1	0.133542	0.043807	3.048
UICEFF14	1	-0.033544	0.039386	-0.852
UICEFF15	1	0.035035	0.039393	0.889
UICEFF16	1	-0.039996	0.043552	-0.918
SERVICE	1	0.0000107141	0.000239734	0.045
PREWINTY	1	0.007189489	0.039947	0.180
OVERHAUI	1	-0.114542	0.046917	-2.441
DEPFIT	1	-0.022781	0.025477	-0.894
HSDGGMT	1	-0.00105407	0.0007482493	-1.409
AFQTGMT	1	-0.000463279	0.001045698	-0.443
ENAGEGMT	1	0.018939	0.012217	1.550
PRAGEGMT	1	-0.023132	0.008002451	-2.891
PAYGEGMT	1	-0.00211431	0.024590	-0.086
YRACIGMT	1	0.011056	0.010443	1.059
THEGEGMT	1	-0.000206882	0.001413925	-0.146
UPILLGMT	1	0.000193086	0.0002318146	0.833
LPILLGMT	1	-0.000409503	0.0002287054	-1.791

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	8.919458	0.307568	1.656	0.0199
ERROR	385	66.116812	0.185721		
C TOTAL		75.036269			
ROOT MSE		0.430954	R-SQUARE	0.1189	
DEF MEAN		0.196891	ADJ R-SQ	0.0471	
C.V.		218.8793			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
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INTERCEP	1	1.250289	0.493963	2.531
UICEFF01	1	-0.253975	0.105212	-2.414
UICEFF02	1	-0.246487	0.106692	-2.310
UICEFF03	1	-0.113233	0.109630	-1.033
UICEFF04	1	0.082181	0.100081	0.821
UICEFF05	1	0.031933	0.101083	0.316
UICEFF06	1	-0.068148	0.131079	-0.520
UICEFF07	1	0.029762	0.099228	0.300
UICEFF08	1	0.041820	0.105109	0.398
UICEFF09	1	-0.092376	0.091766	-1.007
UICEFF10	1	0.247961	0.096724	2.564
UICEFF11	1	-0.144468	0.089767	-1.609
UICEFF12	1	-0.075494	0.096777	-0.780
UICEFF13	1	0.180784	0.094444	1.914
UICEFF14	1	0.055669	0.084914	0.656
UICEFF15	1	-0.045866	0.084927	-0.540
UICEFF16	1	-0.186553	0.093896	-1.987
SERVICE	1	-0.000040502	0.0005168489	-0.078
PREWNTY	1	0.134321	0.086124	1.560
OVERHAUI	1	-0.250959	0.101150	-2.481
DEPFLT	1	-0.036705	0.054926	-0.668
HSDGGMT	1	-0.00510953	0.00161317	-3.167
AFOIGMT	1	-0.000940689	0.002254449	-0.417
ENAGFGMT	1	0.0019301	0.026339	0.073
PRAGFGMT	1	-0.023247	0.017253	-1.347
PAYGFGMT	1	0.011757	0.053014	0.222
YRACFGMT	1	0.011894	0.022515	0.528
TMEGFGMT	1	-0.0015447	0.003048319	-0.507
UFILIGMT	1	-0.000037524	0.0004997753	-0.008
LFILIGMT	1	-0.000809215	0.000493072	-1.641

DEP VARIABLE: TECHASS NR OF TECHNICAL ASSISTANCE REQUESTS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10.807283	0.372665	1.700	0.0151
ERROR	356	78.032095	0.219191		
C TOTAL	385	88.839378			
ROOT MSE		0.468179	R-SQUARE	0.1216	
DFE MEAN		0.222798	ADJ R-SQ	0.0501	
C.V.		210.136			

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	0.953953	0.536630	1.778
UICEFF01	1	0.110453	0.114300	0.966
UICEFF02	1	0.093605	0.115908	0.808
UICEFF03	1	-0.201603	0.119099	-1.693
UICEFF04	1	0.130266	0.108726	1.198
UICEFF05	1	0.152359	0.109814	1.387
UICEFF06	1	-0.072543	0.142401	-0.509
UICEFF07	1	0.030244	0.107799	0.281
UICEFF08	1	0.094860	0.114189	0.831
UICEFF09	1	-0.057154	0.099693	-0.573
UICEFF10	1	0.255884	0.105079	2.435
UICEFF11	1	-0.240324	0.097521	-2.464
UICEFF12	1	-0.134698	0.105137	-1.281
UICEFF13	1	0.129079	0.102602	1.258
UICEFF14	1	-0.211076	0.092249	-2.288
UICEFF15	1	0.030151	0.092263	0.327
UICEFF16	1	-0.129299	0.102006	-1.268
SERVICE	1	0.000035366	0.0005614929	0.063
PREWNTY	1	0.0005513571	0.093563	0.006
OVERHAUI	1	-0.224690	0.109887	-2.045
DEPFLT	1	-0.035255	0.059670	-0.591
HSDGGMT	1	-0.00425876	0.001752512	-2.430
AFOIGMT	1	-0.00128555	0.002449182	-0.525

ENAGEGMT	1	0.043717	0.028614	1.528
PRAGEGMT	1	-0.049152	0.018743	-2.622
PAYGEGMT	1	0.022713	0.057593	0.394
YRACIGMT	1	0.026150	0.024459	1.069
TMEGEGMT	1	-0.00153963	0.003311624	-0.465
UFILIGMT	1	0.0001187338	0.0005429445	0.219
LFILIGMT	1	-0.0009C5427	0.0005356622	-1.690

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10964563	378088	2.892	0.0001
ERROR	356	4645369	130745		
C TOTAL	385	57509932			
ROOT MSE		361.587	R-SQUARE	0.1907	
DEF MEAN		146.272	ADJ R-SQ	0.1247	
C.V.		247.202			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-500.915	414.454	-1.209
UICEFF01	1	-25.53123	88.277410	-0.294
UICEFF02	1	98.183860	89.518640	1.097
UICEFF03	1	14.471061	91.983763	0.157
UICEFF04	1	92.633744	83.971861	1.103
UICEFF05	1	309.953	84.812251	3.655
UICEFF06	1	-352.570	109.980	-3.206
UICEFF07	1	-105.389	83.256420	-1.266
UICEFF08	1	236.737	88.190962	2.684
UICEFF09	1	-113.824	76.995288	-1.478
UICEFF10	1	64.803368	81.155517	0.799
UICEFF11	1	-162.804	75.318223	-2.162
UICEFF12	1	-101.898	81.199984	-1.255
UICEFF13	1	89.509894	79.242039	1.130
UICEFF14	1	108.233	71.246101	1.519
UICEFF15	1	-38.517098	71.257422	-0.546
UICEFF16	1	-96.864714	78.782262	-1.230
SERVICE	1	-0.075182	0.043366	-1.734
PREWNTY	1	-121.829	72.261252	-1.686
OVERHAUL	1	-124.684	84.868673	-1.469
DEPFLT	1	19.821172	46.085081	0.430
HSDGGM	1	-2.086820	1.353513	-1.542
AFOTGMT	1	-2.731863	1.891571	-1.444
ENAGEGMT	1	80.116312	22.099157	3.625
PRAGEGMT	1	-30.066315	14.475689	-2.077
PAYGEGMT	1	33.067506	44.480616	0.743
YRACIGMT	1	10.485361	18.890566	0.555
TMEGEGMT	1	1.120404	2.557659	0.438
UFILIGMT	1	0.717407	0.419331	1.711
LFILIGMT	1	0.138745	0.413707	0.335

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	17500245	6034.7	2.354	0.0002
ERROR	356	91260989	256351		
C TOTAL	385	108761234			
ROOT MSE		506.311	R-SQUARE	0.1609	
DEF MEAN		262.192	ADJ R-SQ	0.0926	
C.V.		193.1073			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-4.050278	580.337	-0.007
UICEFF01	1	-38.461776	123.610	-0.311

UICEFF02	1	100.100	125.348	0.799
UICEFF03	1	7.902869	128.8000	0.061
UICEFF04	1	101.685	117.581	0.865
UICEFF05	1	386.940	118.758	3.258
UICEFF06	1	-340.909	153.999	-2.214
UICEFF07	1	-164.947	116.579	-1.415
UICEFF08	1	-217.309	123.489	-1.760
UICEFF09	1	-141.921	107.812	-1.316
UICEFF10	1	-221.409	113.638	-1.948
UICEFF11	1	-273.157	105.464	-2.590
UICEFF12	1	-186.948	113.700	-1.662
UICEFF13	1	-235.043	110.958	-2.118
UICEFF14	1	21.017699	99.762069	0.211
UICEFF15	1	70.741563	99.777921	0.709
UICEFF16	1	-130.546	110.315	-1.183
SERVICE	1	-0.667928	0.060723	-1.119
PREWENTY	1	-87.789826	101.184	-0.868
OVERHAUL	1	-231.114	118.837	-1.945
DEPFI	1	-2.289563	64.530452	-0.035
HSDGGMT	1	-2.635368	1.895252	-1.391
AFOTGMT	1	-2.579490	2.648665	-0.974
ENAGEGMT	1	87.466701	30.944256	2.827
PRAGFGMT	1	-49.042083	20.269525	-2.419
PAYGFGMT	1	31.362287	62.283805	0.504
YRACDGMT	1	19.122334	26.451439	0.723
TNEGFGMT	1	0.652263	3.581352	0.193
UFILLGMT	1	0.614249	0.587167	1.046
LPFILLGMT	1	-0.190910	0.579291	-0.330

READINESS REGRESSIONS FOR THE EN RATING

DEP VARIABLE: K1		TOTAL NUMBER OF CASREPS		
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE
MODEL	29	184.101	6.348307	3.044
ERROR	259	540.079	2.085247	
C TOTAL	288	724.180		
ECOT MSE		1.444039		R-SQUARE 0.2542
CF MEAN		1.515571		ADJ R-SQ 0.1707
C.V.		95.28017		

VARIABLE	CF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-2.749883	3.937758	-0.698
UICEFF01	1	-0.771866	0.381343	-2.024
UICEFF02	1	0.013370	0.370815	0.036
UICEFF03	1	-0.676636	0.360865	-1.875
UICEFF04	1	0.518883	0.361147	1.437
UICEFF05	1	0.560131	0.370189	1.513
UICEFF06	1	-0.674645	0.368212	-1.832
UICEFF07	1	1.540888	0.387810	3.973
UICEFF08	1	-0.115812	0.353475	-0.328
UICEFF09	1	0.728039	0.363191	2.005
UICEFF10	1	-0.657106	0.402593	-1.732
UICEFF11	1	-0.104244	0.367854	-0.283
UICEFF12	1	-0.557526	0.352571	-1.581
UICEFF13	1	-0.093495	0.379566	-0.246
UICEFF14	1	0.557703	0.371180	1.610
UICEFF15	1	-0.430723	0.379221	-1.136
UICEFF16	1	0.446941	0.382939	1.167
SERVICE	1	0.002853266	0.002456882	1.161
PREWENTY	1	0.122152	0.882124	0.138
OVERHAUL	1	-1.460847	0.471332	-3.099
DEPFI	1	0.607645	0.195064	3.115
HSDGEN	1	0.013205	0.00830826	1.589

APOTEN	1	0.011166	0.016966	0.658
ENAGEEN	1	0.423020	0.200619	2.109
PRAGEEN	1	-0.234540	0.164897	-1.422
PAYGEEN	1	-0.093476	0.224962	-0.416
YRACDEN	1	0.157923	0.202522	0.780
TMEGREN	1	-0.043942	0.029614	-1.484
UFILLEN	1	-0.00440973	0.003448556	-1.279
LFILLEN	1	-0.00131104	0.003351936	-0.391

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	141.069	4.864447	2.673	0.0001
ERROR	259	471.374	1.819977		
C TOTAL	288	612.443			
ROOT MSE		1.349065		R-SQUARE	0.2303
DEF MEAN		1.335640		ADJ R-SQ	0.1442
C.V.		101.0051			

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	-3.193472	3.678774	-0.868
UICEFF01	1	-0.648086	0.356263	-1.819
UICEFF02	1	0.165512	0.346426	0.478
UICEFF03	1	-0.612751	0.337131	-1.818
UICEFF04	1	0.043663	0.337395	0.129
UICEFF05	1	0.664006	0.345842	1.920
UICEFF06	1	-0.561633	0.343995	-1.633
UICEFF07	1	1.007196	0.362304	2.780
UICEFF08	1	-0.034439	0.330227	-0.104
UICEFF09	1	0.811216	0.339304	2.391
UICEFF10	1	-0.628070	0.376115	-1.670
UICEFF11	1	-0.047737	0.343660	-0.139
UICEFF12	1	-0.420256	0.329383	-1.276
UICEFF13	1	-0.237336	0.354602	-0.669
UICEFF14	1	0.715579	0.346768	2.064
UICEFF15	1	-0.254903	0.354280	-0.719
UICEFF16	1	0.418136	0.357753	1.169
SERVICE	1	0.0003116993	0.0002295295	1.358
PREWENTY	1	0.320547	0.824107	0.389
OVERHAUL	1	-1.237181	0.440333	-2.810
DEPFIT	1	0.692376	0.182235	3.799
HSDGEN	1	0.012652	0.007761831	1.630
APOTEN	1	0.014230	0.015850	0.898
ENAGEEN	1	0.374112	0.187425	1.996
PRAGEEN	1	-0.206235	0.154052	-1.339
PAYGREN	1	0.027185	0.210166	0.129
YRACDEN	1	0.054869	0.189202	0.290
TMEGREN	1	-0.043608	0.027666	-1.576
UFILLEN	1	-0.00341366	0.003221747	-1.060
LFILLEN	1	0.0002357528	0.003131482	0.077

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	11.683496	0.402879	1.972	0.0030
ERROR	259	52.918580	0.204319		
C TOTAL	288	64.602076			
ROOT MSE		0.452016		R-SQUARE	0.1809
DEF MEAN		0.148789		ADJ R-SQ	0.0891
C.V.		303.7971			

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
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INTERCEFF	1	-0.582289	1.232606	-0.472
UICEFF01	1	-0.074063	0.119369	-0.620
UICEFF04	1	-0.396454	0.113047	-3.507
UICEFF05	1	-0.075064	0.115878	-0.848
UICEFF06	1	-0.044454	0.115258	-0.386
UICEFF07	1	-0.462024	0.121393	-3.806
UICEFF08	1	-0.099993	0.110646	-0.904
UICEFF09	1	-0.064350	0.113687	-0.566
UICEFF10	1	-0.060512	0.126021	-0.480
UICEFF11	1	-0.075502	0.115146	-0.656
UICEFF12	1	-0.131343	0.110363	-1.190
UICEFF13	1	-0.094589	0.118813	-0.796
UICEFF14	1	-0.099787	0.116188	-0.859
UICEFF15	1	-0.174907	0.118705	-1.473
UICEFF16	1	-0.057060	0.119868	-0.476
SERVICE	1	0.0000724904	0.00007690591	-0.943
PREWNTY	1	-0.078607	0.276125	-0.285
OVERHAUI	1	-0.191313	0.147537	-1.297
DEPFLT	1	-0.063520	0.061059	-1.040
HSDGEN	1	-0.000326622	0.002600672	-0.126
AFOTEN	1	0.001315764	0.005310782	0.248
ENAGEEN	1	0.101184	0.062798	1.611
PRAGEEN	1	-0.040933	0.051617	-0.793
PAYGFEN	1	-0.072754	0.070418	-1.033
YRACDEN	1	0.048671	0.063394	0.768
TMEGFEN	1	-0.000194336	0.009269875	-0.021
UFILLIEN	1	-0.000785067	0.001079475	-0.727
LFILLIEN	1	-0.00159447	0.001049231	-1.520

DEP VARIABLE: K4 TOTAL NUMBER OF C-4 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PRCE>F
MODEL	29	1.323302	0.045631	1.598	0.0308
ERROR	259	7.396421	0.028558		
C TOTAL	288	8.719723			
ROOT MSE		0.168990	R-SQUARE		0.1518
DEF MEAN		0.031142	ADJ R-SQ		0.0568
C.V.		542.6456			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEFF	1	1.025878	0.460820	2.226
UICEFF01	1	-0.049717	0.044627	-1.114
UICEFF02	1	-0.039527	0.043395	-0.911
UICEFF03	1	-0.082366	0.042231	-1.950
UICEFF04	1	-0.078766	0.042264	-1.864
UICEFF05	1	-0.028811	0.043322	-0.665
UICEFF06	1	-0.068559	0.043090	-1.591
UICEFF07	1	0.071667	0.045384	1.579
UICEFF08	1	0.018621	0.041366	0.450
UICEFF09	1	-0.018827	0.042503	-0.443
UICEFF10	1	-0.00852366	0.047114	-0.181
UICEFF11	1	-0.018996	0.043048	-0.441
UICEFF12	1	-0.00592638	0.041260	-0.144
UICEFF13	1	0.049253	0.044419	1.109
UICEFF14	1	-0.018089	0.043438	-0.416
UICEFF15	1	-0.000912654	0.044379	-0.021
UICEFF16	1	-0.028256	0.044814	-0.631
SERVICE	1	-0.000088631	0.0002875189	-3.438
PREWNTY	1	-0.119787	0.103231	-1.160
OVERHAUI	1	-0.032352	0.055158	-0.587
DEPFLT	1	-0.021211	0.022828	-0.929
HSDGEN	1	0.0008794565	0.0009722819	0.905
AFOTEN	1	-0.00438004	0.001985478	-2.206
ENAGEEN	1	-0.052276	0.023478	-2.227
PRAGEEN	1	0.012628	0.019297	0.654

PAYGREEN	1	-0.047907	0.026326	-1.820
YRACDEN	1	0.054383	0.023700	-2.295
TMEGREEN	1	-0.000139867	0.003465617	-0.040
UFILLEN	1	-0.000211005	0.0004035705	-0.523
LFILLEN	1	0.00004368046	0.0003922635	0.111

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	23.502319	0.810425	2.717	0.0001
ERROR	259	77.252170	0.298271		
C TOTAL	288	100.754			
ROOT MSE		0.546142		R-SQUARE	0.2333
EFF MEAN		0.485185		ADJ R-SQ	0.1474
C.V.		112.5637			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	-1.104592	1.489278	-0.742
UICEFF01	1	-0.226286	0.144226	-1.569
UICEFF02	1	-0.052765	0.140244	-0.376
UICEFF03	1	-0.231307	0.136481	-1.695
UICEFF04	1	0.275412	0.136588	2.016
UICEFF05	1	0.278369	0.140007	1.988
UICEFF06	1	-0.185382	0.139259	-1.331
UICEFF07	1	0.443895	0.146671	3.026
UICEFF08	1	0.016007	0.133686	0.120
UICEFF09	1	0.345681	0.137360	2.517
UICEFF10	1	-0.299927	0.152263	-1.970
UICEFF11	1	-0.045995	0.139124	-0.331
UICEFF12	1	-0.22767	0.133344	-2.421
UICEFF13	1	-0.022941	0.143553	-0.160
UICEFF14	1	0.233406	0.140382	1.663
UICEFF15	1	-0.115582	0.143423	-0.806
UICEFF16	1	0.162439	0.144829	1.122
SERVICE	1	0.0001369094	0.0009292038	1.473
PREWENTY	1	0.0007006518	0.333623	0.002
OVERHAUL	1	-0.509856	0.178260	-2.860
DEPFLT	1	0.075265	0.073774	1.020
HSDGEN	1	0.003700776	0.003142221	1.178
AFOTEN	1	0.004014881	0.00641667	0.626
ENAGREEN	1	0.191190	0.075875	2.520
PRAGREEN	1	-0.119656	0.062365	-1.919
PAYGREEN	1	0.00648135	0.085081	0.076
YRACDEN	1	0.062926	0.076595	0.822
TMEGREEN	1	-0.012738	0.011200	-1.137
UFILLEN	1	-0.00104269	0.001304259	-0.799
LFILLEN	1	-0.00082371	0.001267717	-0.650

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	334.990	11.551383	2.378	0.0002
ERROR	259	1258.274	4.858201		
C TOTAL	288	1593.264			
ROOT MSE		2.204133		R-SQUARE	0.2103
EFF MEAN		0.788636		ADJ R-SQ	0.1218
C.V.		279.4867			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	5.275616	6.010463	0.878
UICEFF01	1	-0.661707	0.582070	-1.137

UICEFF02	1	-0.714978	0.565999	-1.263
UICEFF03	1	-0.423431	0.550813	-0.769
UICEFF04	1	1.550643	0.551243	3.539
UICEFF05	1	-0.334186	0.565045	-0.591
UICEFF06	1	-0.501872	0.562026	-0.893
UICEFF07	1	2.618699	0.591940	4.424
UICEFF08	1	-0.218140	0.539533	-0.404
UICEFF09	1	-0.408958	0.554362	-0.738
UICEFF10	1	-0.550633	0.614505	-0.896
UICEFF11	1	0.068541	0.561480	0.122
UICEFF12	1	-0.585020	0.538153	-1.087
UICEFF13	1	0.933271	0.579356	1.611
UICEFF14	1	-0.268103	0.566557	-0.473
UICEFF15	1	-0.747050	0.578830	-1.291
UICEFF16	1	0.037431	0.584505	0.064
SERVICE	1	-0.000264716	0.003750103	-0.706
PREWNTY	1	-0.886512	1.346445	-0.658
OVERHAU	1	-0.908543	0.719426	-1.263
DEPFLT	1	-0.480745	0.297739	-1.615
HSDGEN	1	0.006048594	0.012681	0.477
AFOTEN	1	-0.015437	0.025897	-0.596
ENAGEEN	1	0.160254	0.306218	0.523
PRAGEEN	1	-0.259162	0.251694	-1.030
PAYGREEN	1	-0.535976	0.343374	-1.561
YRACDEN	1	0.573908	0.309123	1.857
TMEGFEEN	1	0.003552558	0.045202	0.079
UFILLIEN	1	-0.00426715	0.005263761	-0.811
LFILLIEN	1	-0.00551336	0.005116284	-1.078

DEP VARIABLE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	58845148	2029143	1.824	0.0079
ERROR	259	288128044	1112463		
C TOTAL	288	346973192			
ROOT MSE		1054.734	R-SQUARE	0.1696	
DEF MEAN		679.315	ADJ R-SQ	0.0766	
C.V.		155.2644			

VARIABLE	LF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-1512.752	2876.160	-0.526
UICEFF01	1	-124.867	278.535	-0.448
UICEFF02	1	-291.150	270.845	-1.075
UICEFF03	1	-302.990	263.578	-1.150
UICEFF04	1	234.729	263.784	0.890
UICEFF05	1	801.987	270.388	2.966
UICEFF06	1	-54.159987	268.944	-0.201
UICEFF07	1	447.286	283.258	1.579
UICEFF08	1	42.440808	258.180	0.164
UICEFF09	1	520.399	265.276	1.962
UICEFF10	1	-500.105	294.056	-1.701
UICEFF11	1	-102.109	268.682	-0.380
UICEFF12	1	-553.542	257.520	-2.150
UICEFF13	1	-36.718426	277.237	-0.132
UICEFF14	1	442.494	271.112	1.632
UICEFF15	1	-17.004568	276.985	-0.061
UICEFF16	1	109.569	279.701	0.392
SERVICE	1	0.310796	0.179452	1.732
PREWNTY	1	-3.438234	644.308	-0.005
OVERHAU	1	-819.592	344.264	-2.381
DEPFLT	1	-73.319521	142.476	-0.515
HSDGEN	1	1.415769	6.068400	0.233
AFOTEN	1	7.147436	12.392163	0.577
ENAGEEN	1	351.033	146.533	2.396
PRAGEEN	1	-246.007	120.442	-2.043

PAYGFEN	1	66.199533	164.313	0.403
YRACFEN	1	90.706881	147.923	0.613
TMEGFEN	1	-17.163688	21.630301	-0.794
UFILLEN	1	-0.796684	2.518845	-0.316
LFILLEN	1	-1.349341	2.448273	-0.551

DEP VARIABLE: S TOTAL HOURS DOWNTIME DUE TO SUPPLY

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	23430516	807949	1.922	0.0042
ERROR	259	108889830	420424		
C TOTAL	288	132320346			
ROOT MSE		648.401			
DFP MEAN		391.671			
C.V.		165.5473			
			R-SQUARE		0.1771
			ADJ R-SQ		0.0849

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	2364.623	1768.129	1.337
UICEFF01	1	-305.967	171.231	-1.787
UICEFF02	1	-250.663	166.503	-1.505
UICEFF03	1	-151.029	162.036	-0.932
UICEFF04	1	-150.719	162.162	-0.929
UICEFF05	1	-151.045	166.222	-0.909
UICEFF06	1	-213.195	165.334	-1.289
UICEFF07	1	635.868	174.134	3.652
UICEFF08	1	-228.836	158.717	-1.442
UICEFF09	1	-234.900	163.080	-1.440
UICEFF10	1	-193.528	180.772	-1.071
UICEFF11	1	201.704	165.173	1.221
UICEFF12	1	3.943006	158.311	0.025
UICEFF13	1	311.458	170.432	1.827
UICEFF14	1	44.236434	166.667	0.265
UICEFF15	1	-246.119	170.277	-1.445
UICEFF16	1	102.849	171.947	0.598
SERVICE	1	-0.101580	0.110319	-0.921
PREWFNTY	1	-254.616	396.091	-0.643
OVERHAUL	1	-341.134	211.637	-1.612
DEPFLT	1	135.015	87.587480	1.541
HSDGEN	1	4.336071	3.730569	1.162
AFQTEN	1	5.283953	7.618123	0.694
ENAGEEN	1	-71.551591	90.081871	-0.794
PRAGEEN	1	-40.409290	74.042073	-0.546
PAYGFEN	1	-97.112529	101.012	-0.961
YRACFEN	1	16.001129	90.936190	0.176
TMEGFEN	1	4.614171	13.297300	0.347
UFILLEN	1	-0.144425	1.548468	-0.093
LFILLEN	1	-0.209215	1.505084	-0.139

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	96827773	3338889	2.221	0.0006
ERROR	259	389401831	1503482		
C TOTAL	288	486229604			
ROOT MSE		1226.166			
DFP MEAN		1070.986			
C.V.		114.4894			
			R-SQUARE		0.1991
			ADJ R-SQ		0.1095

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	851.871	3343.639	0.255
UICEFF01	1	-430.834	323.807	-1.331
UICEFF02	1	-40.487696	314.867	-0.129
UICEFF03	1	-454.018	306.419	-1.482

UICEFF04	1	84.009590	306.658	0.274
UICEFF05	1	953.032	314.336	-0.032
UICEFF06	1	-267.355	312.657	-0.855
UICEFF07	1	1083.155	329.298	3.289
UICEFF08	1	-166.396	300.144	-0.621
UICEFF09	1	-285.498	308.393	-0.926
UICEFF10	1	-693.633	341.851	-2.029
UICEFF11	1	99.595230	312.353	-0.319
UICEFF12	1	-549.599	299.376	-1.836
UICEFF13	1	-274.739	322.298	-0.852
UICEFF14	1	466.730	315.177	1.544
UICEFF15	1	-263.124	322.005	-0.817
UICEFF16	1	212.417	325.162	0.653
SERVICE	1	0.209216	0.208619	1.003
PREWNTY	1	-258.054	749.031	-0.345
OVERHAUL	1	-1160.726	400.219	-2.900
DEPFIT	1	61.695873	165.633	0.372
HSDGSM	1	5.751840	7.054730	0.815
AFOTEN	1	12.431390	14.406329	0.863
ENAGEEN	1	-279.481	170.350	-1.641
PRAGEEN	1	-266.416	140.018	-2.046
PAYGFEEN	1	-30.912996	191.020	-0.162
YRACDEN	1	106.708	171.966	0.621
TMEGFEEN	1	-12.549517	25.145993	-0.499
UFILLEN	1	-0.541110	2.928246	-0.321
LFILLEN	1	-1.558556	2.846204	-0.548

READINESS REGRESSIONS FOR THE GSM RATING

DEP VARIABLE:	K1	TOTAL NUMBER OF CASREPS	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
SOURCE	DF					
MODEL	29		185.991	6.413495	2.004	0.0024
ERROR	259		828.728	3.199723		
C TOTAL	288		1014.720			
ROOT MSE			1.788777	R-SQUARE	0.1833	
DFE MEAN			2.031142	ADJ R-SQ	0.0918	
C.V.			88.06756			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	6.728346	5.494500	1.225
UICEFF01	1	-0.228590	0.544032	-0.420
UICEFF02	1	-0.293662	0.551144	-0.533
UICEFF03	1	-0.764194	0.534038	-1.431
UICEFF04	1	0.955425	0.485490	1.968
UICEFF05	1	0.916064	0.513738	1.783
UICEFF06	1	-1.060000	0.495385	-2.140
UICEFF07	1	1.055956	0.468009	2.256
UICEFF08	1	0.131760	0.490377	0.269
UICEFF09	1	0.641527	0.434092	1.478
UICEFF10	1	-0.268826	0.446525	-0.602
UICEFF11	1	-0.124109	0.446480	-0.278
UICEFF12	1	-0.793853	0.471969	-1.682
UICEFF13	1	-0.139429	0.553452	-0.252
UICEFF14	1	-0.772287	0.468701	-1.648
UICEFF15	1	0.559977	0.490006	1.143
UICEFF16	1	-0.089391	0.541634	-0.165
SERVICE	1	0.0004732121	0.005775034	0.819
PREWNTY	1	-0.588787	1.004630	-0.586
OVERHAUL	1	-2.248621	0.583394	-3.854
DEPFIT	1	0.198280	0.243448	0.814
HSDGSM	1	-0.031934	0.027059	-1.180
AFOTGSM	1	-0.00955031	0.025571	-0.373
ENAGEGSM	1	-0.120772	0.277892	-0.435

PRAGFGSM	1	-0.020188	0.151758	-0.133
PAYGFGSM	1	0.387516	0.281996	1.374
YRACDGS	1	-0.149380	0.176537	-0.846
TMEGRGSM	1	0.002536219	0.023455	0.108
UFIIIGSM	1	0.001846387	0.005624682	0.328
LFIIIGSM	1	-0.00179317	0.010859	-0.165

DEP VARIABLE: K2 TOTAL NUMBER OF C-2 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	136.507	4.707132	1.869	0.0059
ERROR	259	652.344	2.518704		
C TOTAL	288	788.851			
ROOT MSE		1.587043	R-SQUARE		0.1730
DEP MEAN		1.636678	ADJ R-SQ		0.0805
C.V.		96.9673			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	3.874081	4.874842	0.795
UICEFF01	1	0.062005	0.482677	0.128
UICEFF02	1	0.349026	0.488987	0.714
UICEFF03	1	-0.763832	0.473811	-1.612
UICEFF04	1	1.110384	0.430737	2.578
UICEFF05	1	0.845151	0.455800	1.854
UICEFF06	1	-0.800124	0.439517	-1.820
UICEFF07	1	0.549945	0.415228	1.324
UICEFF08	1	0.151375	0.435073	0.348
UICEFF09	1	0.329867	0.385136	0.856
UICEFF10	1	-0.265218	0.396166	-0.669
UICEFF11	1	-0.316649	0.396127	-0.799
UICEFF12	1	-0.623698	0.418742	-1.489
UICEFF13	1	-0.241476	0.491035	-0.492
UICEFF14	1	-0.371057	0.415842	-0.892
UICEFF15	1	0.547875	0.434744	1.260
UICEFF16	1	-0.026920	0.480549	-0.056
SERVICE	1	0.0003409304	0.0005123738	0.665
PREWNTY	1	-0.526254	0.891330	-0.590
OVERHAUL	1	-1.608139	0.517600	-3.107
DEPFLT	1	0.530039	0.215992	2.454
HSDGGS	1	-0.020597	0.024007	-0.858
AFOTGSM	1	-0.020656	0.022687	-0.910
ENAGGGS	1	0.002128658	0.246552	0.009
PRAGFGSM	1	0.014084	0.134643	0.105
PAYGFGSM	1	0.279351	0.250193	1.117
YRACDGS	1	-0.119140	0.156627	-0.761
TMEGRGSM	1	-0.000316439	0.020810	-0.002
UFIIIGSM	1	-0.00115749	0.004990343	-0.232
LFIIIGSM	1	-0.00418684	0.009634359	-0.435

DEP VARIABLE: K3 TOTAL NUMBER OF C-3 CASREPS

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	21.644710	0.746369	1.562	0.0377
ERROR	259	123.739	0.477758		
C TOTAL	288	145.384			
ROOT MSE		0.691201	R-SQUARE		0.1489
DEP MEAN		0.370242	ADJ R-SQ		0.0536
C.V.		186.6887			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2.355229	2.123127	1.109
UICEFF01	1	-0.272018	0.210219	-1.294
UICEFF02	1	-0.025426	0.212967	-0.119

UICEFF03	1	0.013699	0.206358	0.0666
UICEFF04	1	-0.111346	0.187598	-0.594
UICEFF05	1	-0.093425	0.198513	-0.471
UICEFF06	1	-0.241578	0.191422	-1.262
UICEFF07	1	0.479658	0.180843	2.652
UICEFF08	1	0.017289	0.189486	0.091
UICEFF09	1	0.323785	0.167737	1.930
UICEFF10	1	0.051952	0.172541	0.301
UICEFF11	1	0.113042	0.172524	0.655
UICEFF12	1	-0.154145	0.182373	-0.845
UICEFF13	1	-0.093177	0.213859	-0.436
UICEFF14	1	-0.386332	0.181111	-2.133
UICEFF15	1	0.037350	0.189343	0.197
UICEFF16	1	-0.141227	0.209292	-0.675
SERVICE	1	0.0001438991	0.002231528	0.645
PREWNTY	1	-0.053277	0.388198	-0.137
OVERHAUL	1	-0.570815	0.225429	-2.532
DEPFIT	1	-0.294113	0.094071	-3.127
HSDGGSM	1	-0.010127	0.010456	-0.969
AFOTGSM	1	0.012110	0.09880717	1.226
ENAGEGSM	1	-0.167219	0.107380	-1.557
PRAGEGSM	1	0.011476	0.058641	0.196
PAYGRGSM	1	0.134064	0.108966	1.230
YRACGSM	1	-0.036084	0.068215	-0.529
TMEGRGSM	1	0.001860079	0.009063233	0.205
UFILIGSM	1	0.001849304	0.002173431	0.851
LFILIGSM	1	0.00282878	0.004196028	0.674

DEP VARIABLE: INDEX01 LOG-TRANSFORMED READINESS INDEX
(NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	28.715978	0.990206	2.513	0.0001
ERROR	259	102.046	0.394001		
C TOTAL	288	130.762			
ROOT MSE		0.627695	R-SQUARE	0.2196	
DEF MEAN		0.629450	ADJ R-SQ	0.1322	
C.V.		99.72119			

VARIABLE	IF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	2.067791	1.928061	1.072
UICEFF01	1	-0.143317	0.190905	-0.751
UICEFF02	1	-0.148360	0.193400	-0.767
UICEFF03	1	-0.374775	0.187398	-2.000
UICEFF04	1	0.280180	0.170362	1.645
UICEFF05	1	0.398025	0.180274	2.208
UICEFF06	1	-0.358021	0.173834	-2.060
UICEFF07	1	0.429368	0.164228	2.614
UICEFF08	1	0.057779	0.172077	0.336
UICEFF09	1	0.299293	0.152326	1.965
UICEFF10	1	-0.229924	0.156689	-1.467
UICEFF11	1	-0.034224	0.156673	-0.218
UICEFF12	1	-0.308399	0.165618	-1.862
UICEFF13	1	0.143556	0.194211	0.739
UICEFF14	1	-0.275969	0.164471	-1.678
UICEFF15	1	0.260778	0.171947	1.633
UICEFF16	1	0.095364	0.190063	0.502
SERVICE	1	0.000901845	0.002026503	0.444
PREWNTY	1	-0.130009	0.352532	-0.369
OVERHAUL	1	-0.782563	0.204717	-3.823
DEPFIT	1	-0.025027	0.085428	-0.293
HSDGGSM	1	-0.00480492	0.009495211	-0.506
AFOTGSM	1	-0.00528591	0.00897291	-0.589
ENAGEGSM	1	-0.055837	0.097515	-0.573
PRAGEGSM	1	0.00481179	0.053253	0.009
PAYGRGSM	1	0.105099	0.098954	1.062

YRACDGS	1	-0.065313	0.061948	-1.054
TMEGFGSM	1	0.001745896	0.008230533	0.212
UFIIIGSM	1	0.0001731249	0.001973743	0.088
LFIIIGSM	1	0.001493167	0.00381051	0.392

DEP VARIAELE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	487.369	16.805834	1.576	0.0348
ERROR	259	2761.755	10.663145		
C TOTAL	288	3249.124			
ROOT MSE		3.265447	R-SQUARE		0.1500
EFF MEAN		1.603369	ADJ R-SQ		0.0548
C.V.		203.6616			

VARIAELE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	16.730178	10.030316	1.668
UICEFF01	1	-1.174097	0.993141	-1.182
UICEFF02	1	-0.092308	1.006124	-0.092
UICEFF03	1	-0.157453	0.974897	-0.162
UICEFF04	1	-0.933639	0.886271	-1.053
UICEFF05	1	0.345802	0.937838	0.369
UICEFF06	1	-0.936970	0.904335	-1.036
UICEFF07	1	2.148467	0.854360	2.515
UICEFF08	1	-0.173712	0.895192	-0.194
UICEFF09	1	1.359438	0.792444	1.716
UICEFF10	1	-0.381053	0.815139	-0.467
UICEFF11	1	1.090343	0.815057	1.338
UICEFF12	1	-0.665172	0.861589	-0.772
UICEFF13	1	0.339362	1.010338	0.336
UICEFF14	1	-1.577987	0.855623	-1.844
UICEFF15	1	0.188755	0.894516	0.211
UICEFF16	1	-0.249912	0.988763	-0.253
SERVICE	1	0.0008557673	0.001054244	0.812
PREWENTY	1	-0.208056	1.833971	-0.113
OVERHAUL	1	-2.751443	1.064996	-2.584
DEPFLT	1	-1.382167	0.444419	-3.110
HSDGGS	1	-0.053521	0.049397	-1.083
AFQTGSM	1	0.042252	0.046680	0.905
ENAGFGSM	1	-0.642881	0.507298	-1.267
PRAGFGSM	1	-0.147927	0.277036	-0.534
PAYGFGSM	1	0.108087	0.514789	0.210
YRACDGS	1	-0.035365	0.322271	-0.110
TMEGFGSM	1	0.001130141	0.042818	0.026
UFIIIGSM	1	0.012344	0.010268	1.202
LFIIIGSM	1	0.003806572	0.019823	0.192

DEP VARIAELE: M TOTAL HOURS DOWNTIME DUE TO MAINTENANCE

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	70829765	2442406	2.487	0.0001
ERROR	259	254323465	982060		
C TOTAL	288	325183229			
ROOT MSE		990.989	R-SQUARE		0.2178
EFF MEAN		742.602	ADJ R-SQ		0.1302
C.V.		133.4482			

VARIAELE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	69.900655	3043.974	0.023
UICEFF01	1	-183.471	301.396	-0.609
UICEFF02	1	-434.448	305.336	-1.423

UICEFFF03	1	-648.143	295.859	-2.191
UICEFFF04	1	-445.080	268.963	-1.804
UICEFFF05	1	-842.067	284.613	-2.959
UICEFFF06	1	-383.019	274.445	-1.396
UICEFFF07	1	-689.141	259.279	-2.658
UICEFFF08	1	91.789673	271.670	0.338
UICEFFF09	1	-356.939	240.489	-1.484
UICEFFF10	1	-470.086	247.376	-1.900
UICEFFF11	1	-174.885	247.351	-0.707
UICEFFF12	1	-518.849	261.473	-1.984
UICEFFF13	1	42.925555	306.615	0.140
UICEFFF14	1	-121.179	259.662	-0.467
UICEFFF15	1	533.242	271.465	1.964
UICEFFF16	1	184.076	300.067	0.613
SERVICE	1	0.185819	0.319939	0.581
PREWNTY	1	-34.669100	556.569	-0.062
OVERHAUL	1	-965.589	323.202	-2.988
DEPFLT	1	-7.081501	134.871	-0.053
HSDGGS	1	1.093653	14.990795	0.073
AFOTGSM	1	-12.214696	14.166199	-0.862
ENAGGSM	1	94.366575	153.953	0.613
PRAGGSM	1	-37.936477	84.074237	-0.451
PAYGGSM	1	128.446	156.227	0.822
YRACIGSM	1	-92.001598	97.802044	-0.941
TMEGGSM	1	7.774239	12.994154	0.598
UFILIGSM	1	-0.760752	3.116095	-0.244
LPILIGSM	1	1.415604	6.015936	0.235

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	88883429	3064946	1.898	0.0049
ERROR	259	418184130	1614611		
C TOTAL	288	507067559			
ROOT MSE		1270.673	R-SQUARE	0.1753	
DEP MEAN		1200.564	ADJ R-SQ	0.0829	
C.V.		105.8397			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	3870.410	3903.066	0.992
UICEFFF01	1	74.003595	386.458	0.191
UICEFFF02	1	81.560260	391.510	0.208
UICEFFF03	1	-756.144	379.359	-2.099
UICEFFF04	1	605.091	344.872	1.755
UICEFFF05	1	614.220	364.938	1.683
UICEFFF06	1	-316.411	351.901	-0.899
UICEFFF07	1	1008.229	332.455	3.033
UICEFFF08	1	185.263	348.343	0.532
UICEFFF09	1	323.635	308.361	1.050
UICEFFF10	1	-462.328	317.193	-1.458
UICEFFF11	1	-219.271	317.161	-0.691
UICEFFF12	1	-763.413	335.267	-2.277
UICEFFF13	1	-266.396	393.150	-0.678
UICEFFF14	1	-167.819	332.946	-0.504
UICEFFF15	1	438.709	348.080	1.260
UICEFFF16	1	-70.126312	384.754	-0.182
SERVICE	1	0.474668	0.410235	1.157
PREWNTY	1	-366.715	713.647	-0.514
OVERHAUL	1	-1349.742	414.419	-3.257
DEPFLT	1	-34.641605	172.935	-0.200
HSDGGS	1	-23.258170	19.221604	-1.210
AFOTGSM	1	-9.104865	18.164284	-0.501
ENAGGSM	1	-26.551746	197.403	-0.135
PRAGGSM	1	-0.185039	107.802	-0.002
PAYGGSM	1	278.600	200.318	1.391
YRACIGSM	1	-183.832	125.404	-1.466

TMEGEGSM	1	3.435326	16.661456	0.206
UPILIGSM	1	-0.786648	3.995542	-0.197
LFILIGSM	1	-4.614630	7.713796	-0.598

READINESS REGRESSIONS FOR THE HT RATING

DEP VARIABLE: K1		TOTAL NUMBER OF CASREPS		
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE PROB>F
MODEL	29	84.267436	2.905774	2.562 0.0001
ERROR	356	403.712	1.134022	
C TOTAL	385	487.979		
FCCT MSE		1.064905	R-SQUARE	0.1727
DEP MEAN		0.730570	ADJ R-SQ	0.1053
C.V.		145.7636		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	-0.491268	2.518913	-0.195
UICEFF01	1	-0.181629	0.269397	-0.674
UICEFF02	1	0.085844	0.242649	0.354
UICEFF03	1	-0.050062	0.242439	-0.206
UICEFF04	1	0.270271	0.249139	1.085
UICEFF05	1	-0.00337001	0.243594	-0.014
UICEFF06	1	-0.375976	0.248589	-1.512
UICEFF07	1	0.324448	0.247330	1.312
UICEFF08	1	0.027446	0.276164	0.099
UICEFF09	1	0.913461	0.224894	4.062
UICEFF10	1	-0.351609	0.230856	-1.523
UICEFF11	1	-0.627737	0.232136	-2.704
UICEFF12	1	-0.438349	0.221374	-1.980
UICEFF13	1	0.321317	0.234998	1.367
UICEFF14	1	0.186366	0.219900	0.848
UICEFF15	1	0.118891	0.217090	0.548
UICEFF16	1	-0.0012427	0.214230	-0.006
SERVICE	1	0.0008386631	0.001157978	0.724
PREWENTY	1	0.254028	0.240983	1.054
OVERHAUI	1	-0.420834	0.243638	-1.727
DEPFLT	1	0.439316	0.136946	3.208
HSDGHT	1	0.002400693	0.006897527	0.348
AFTGHT	1	-0.00616609	0.006504684	-0.948
ENAGEHT	1	0.050820	0.134741	0.377
PRAGEHT	1	-0.011827	0.064525	-0.183
PAYGHT	1	0.047895	0.167971	0.285
YRACHT	1	-0.078449	0.111247	-0.705
TMEGHT	1	0.020585	0.016755	1.229
UPILHT	1	0.00380452	0.00266176	1.429
LFILHT	1	0.0007875502	0.001760229	0.447

DEP VARIABLE: K2		TOTAL NUMBER OF C-2 CASREPS		
SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE PROB>F
MODEL	29	79.559200	2.743421	2.533 0.0001
ERROR	356	385.581	1.083092	
C TOTAL	385	465.140		
FOOT MSE		1.040717	R-SQUARE	0.1710
DEP MEAN		0.699482	ADJ R-SQ	0.1035
C.V.		148.784		

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEPT	1	-0.891069	2.461699	-0.362
UICEFF01	1	-0.174988	0.263278	-0.665

UICEFFF02	1	0.112929	0.237137	0.476
UICEFFF03	1	-0.020637	0.236932	-0.087
UICEFFF04	1	-0.171359	0.243480	0.704
UICEFFF05	1	-0.030435	0.238061	0.128
UICEFFF06	1	-0.353276	0.242942	-1.454
UICEFFF07	1	0.208309	0.241712	0.862
UICEFFF08	1	0.054546	0.269891	0.202
UICEFFF09	1	0.890515	0.219786	4.052
UICEFFF10	1	-0.25848	0.225613	-1.444
UICEFFF11	1	-0.590930	0.226863	-2.605
UICEFFF12	1	-0.390877	0.216346	-1.807
UICEFFF13	1	0.341290	0.229660	1.486
UICEFFF14	1	0.132473	0.214906	0.616
UICEFFF15	1	0.144339	0.212159	0.680
UICEFFF16	1	0.0007430601	0.209364	0.004
SERVICE	1	0.0008571039	0.001131676	0.793
PREWENTY	1	0.286070	0.235509	1.215
OVERHAUL	1	-0.400626	0.238104	-1.683
DEPFLT	1	0.454224	0.133835	3.394
HSDGHT	1	0.00140296	0.00674086	0.208
AFQTH	1	-0.00439851	0.00635694	-0.692
ENAGEHT	1	0.075220	0.131681	0.571
PRAGEHT	1	-0.018901	0.063059	-0.300
PAYGHT	1	0.028244	0.164155	0.172
YRACHT	1	-0.053964	0.108720	-0.496
TMEGHT	1	0.021485	0.016374	1.312
UFILHT	1	0.003916312	0.002601302	1.506
LFILHT	1	0.000508135	0.001720248	0.528

DEP VARIABLE: INDEX01 LCG-TRANSFORMED READINESS INDEX (NPS)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	10.561608	0.364193	2.884	0.0001
ERROR	356	44.949241	0.126262		
C TOTAL	385	55.510849			
ROO1 MSE		0.355334			
DF MEAN		0.225687			
C.V.		157.445			
			R-SQUARE	0.1903	
			ADJ R-SQ	0.1243	

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEP	1	-0.208198	0.840502	-0.248
UICEFFF01	1	-0.038598	0.089891	-0.429
UICEFFF02	1	-0.00322321	0.080966	-0.040
UICEFFF03	1	-0.088569	0.080896	-1.095
UICEFFF04	1	0.113357	0.083132	1.364
UICEFFF05	1	0.010412	0.081282	0.128
UICEFFF06	1	-0.109552	0.082948	-1.321
UICEFFF07	1	0.192577	0.082528	2.333
UICEFFF08	1	0.07829476	0.092149	0.855
UICEFFF09	1	0.324972	0.075042	4.331
UICEFFF10	1	-0.119863	0.077031	-1.556
UICEFFF11	1	-0.206589	0.077458	-2.667
UICEFFF12	1	-0.127536	0.073867	-1.727
UICEFFF13	1	0.074406	0.078413	0.949
UICEFFF14	1	0.046012	0.073376	0.627
UICEFFF15	1	0.046836	0.072438	0.647
UICEFFF16	1	-0.025913	0.071484	-0.362
SERVICE	1	0.0007309765	0.0003863899	1.892
PREWENTY	1	0.120499	0.080410	1.499
OVERHAUL	1	-0.109709	0.081296	-1.350
DEPFLT	1	0.107356	0.045696	2.343
HSDGHT	1	-0.00030432	0.002301542	-0.132
AFQTH	1	-0.00316911	0.002170459	-1.460
ENAGEHT	1	0.025585	0.044960	0.569
PRAGEHT	1	-0.00900107	0.021530	-0.418

PAYGRHT	1	0.003869959	0.056048	0.069
YRACCHT	1	-0.014167	0.037121	-0.382
TMEGRHT	1	0.007183269	0.005590661	1.285
UPILLHT	1	0.001487393	0.0008881664	1.675
LFILLHT	1	0.0007243872	0.0005873469	1.233

DEP VARIABLE: MEMRAC LOG-TRANSFORMED READINESS INDEX (SPCC)

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	25.377603	0.875090	1.534	0.0411
ERROR	356	203.143	0.570628		
C TOTAL	385	228.521			
ROOT MSE		0.755399	R-SQUARE	0.1111	
DEF MEAN		0.132010	ADJ R-SQ	0.0386	
C.V.		572.2288			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	1.205550	1.786812	0.675
UICEFF01	1	-0.011926	0.191099	-0.062
UICEFF02	1	-0.125772	0.172125	-0.731
UICEFF03	1	-0.120013	0.171976	-0.698
UICEFF04	1	-0.517252	0.176729	-2.927
UICEFF05	1	-0.164921	0.172795	-0.954
UICEFF06	1	-0.081876	0.176338	-0.464
UICEFF07	1	-0.641990	0.175445	-3.659
UICEFF08	1	-0.159693	0.195899	-0.815
UICEFF09	1	-0.109085	0.159530	-0.684
UICEFF10	1	-0.108152	0.163760	-0.660
UICEFF11	1	-0.171983	0.164667	-1.044
UICEFF12	1	-0.181340	0.157034	-1.155
UICEFF13	1	-0.111098	0.166698	-0.666
UICEFF14	1	-0.096430	0.155988	-0.618
UICEFF15	1	-0.120169	0.153995	-0.780
UICEFF16	1	-0.00303161	0.151966	-0.020
SERVICE	1	-0.000026119	0.0008214214	-0.318
PREWNTY	1	-0.166540	0.170943	-0.974
OVERHAUL	1	-0.068974	0.172826	-0.399
DEPFLT	1	-0.116396	0.097144	-1.198
HSDGHT	1	0.002628771	0.004892818	0.537
AFOTHT	1	-0.00841714	0.004614152	-1.824
ENAGEHT	1	-0.074384	0.095580	-0.778
PRAGEHT	1	0.033535	0.045771	0.733
PAYGRHT	1	0.089215	0.119151	0.749
YRACCHT	1	-0.113184	0.078914	-1.434
TMEGRHT	1	0.0009525358	0.011885	0.080
UPILLHT	1	-0.000527743	0.001888142	-0.280
LFILLHT	1	-0.000238688	0.001248633	-0.191

DEP VARIABLE: PRSCAUSE TOTAL OF PRESUMED PERSONNEL-BASED CAUSES

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	12.161200	0.419352	1.527	0.0428
ERROR	356	97.776623	0.274653		
C TOTAL	385	109.938			
ROOT MSE		0.524074	R-SQUARE	0.1106	
DEF MEAN		0.227979	ADJ R-SQ	0.0382	
C.V.		229.8779			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	-0.422255	1.239638	-0.341
UICEFF01	1	-0.057836	0.132579	-0.436

UICEFF02	1	0.016050	0.119415	0.134
UICEFF03	1	0.064915	0.119312	0.544
UICEFF04	1	0.189957	0.122609	1.549
UICEFF05	1	-0.158910	0.119880	-1.326
UICEFF06	1	-0.157677	0.122339	-1.289
UICEFF07	1	0.009882905	0.121719	-0.081
UICEFF08	1	0.066599	0.135909	0.490
UICEFF09	1	0.269041	0.110678	2.431
UICEFF10	1	-0.079868	0.113612	-0.703
UICEFF11	1	-0.240390	0.114241	-2.104
UICEFF12	1	-0.183990	0.108945	-1.689
UICEFF13	1	-0.012745	0.115650	-0.110
UICEFF14	1	-0.022146	0.108220	-0.205
UICEFF15	1	0.165840	0.106837	1.552
UICEFF16	1	0.162992	0.105430	1.546
SERVICE	1	-0.0003910185	-0.0005698783	0.686
PREWENTY	1	0.161970	0.118595	1.366
OVERHAUL	1	-0.125946	0.119902	-1.050
DEPFFIT	1	0.123851	0.067395	1.838
HSDGHT	1	0.00252882	0.003394495	0.863
AFQTH	1	-0.000831347	0.003201165	-0.260
ENAGEHT	1	0.044910	0.066310	0.677
PRAGEHT	1	-0.039894	0.031755	-1.256
PAYGRHT	1	0.097851	0.082664	1.184
YRACDHT	1	-0.010462	0.054748	-0.191
TMEGRHT	1	-0.000317795	0.008245548	-0.039
UFILLHT	1	0.0002684641	0.001309938	0.205
LFILLHT	1	0.0003479354	0.0008662655	0.402

DEP VARIABLE: M
MAINTENANCE

TOTAL HOURS DOWNTIME DUE TO

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	30186505	1040914		
ERROR	356	156283138	438998	2.371	0.0001
C TOTAL	385	186469643			
ROOT MSE		662.569			
DEF MEAN		331.052			
C.V.		200.1406			
			R-SQUARE	0.1619	
			ADJ R-SQ	0.0936	

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR HO: PARAMETER=0
INTERCEP	1	-526.639	1567.233	-0.336
UICEFF01	1	-101.242	167.615	-0.604
UICEFF02	1	-63.380489	150.973	-0.420
UICEFF03	1	-178.464	150.842	-1.183
UICEFF04	1	255.250	155.011	1.647
UICEFF05	1	13.423738	151.561	0.089
UICEFF06	1	-123.596	154.668	-0.799
UICEFF07	1	473.449	153.885	3.077
UICEFF08	1	121.524	171.825	0.707
UICEFF09	1	425.394	139.926	3.040
UICEFF10	1	-201.467	143.635	-1.403
UICEFF11	1	-311.036	144.432	-2.154
UICEFF12	1	-182.598	137.736	-1.326
UICEFF13	1	24.707759	146.212	0.169
UICEFF14	1	37.275144	136.819	0.272
UICEFF15	1	2.723148	135.070	0.020
UICEFF16	1	-25.661551	133.291	-0.193
SERVICE	1	0.195155	0.072048	2.709
PREWENTY	1	178.902	149.936	1.193
OVERHAUL	1	-137.928	151.588	-0.910
DEPFFIT	1	29.510685	85.205711	0.346
HSDGHT	1	-3.082331	4.291546	-0.718
AFQTH	1	-4.153257	4.047124	-1.026
ENAGEHT	1	41.366145	83.834029	0.493
PRAGEHT	1	-3.791519	40.146424	-0.094

PAYGRHT	1	5.005222	104.509	0.048
YRACLHT	1	-32.489652	69.216366	-0.469
TMEGRHT	1	11.746991	10.424568	1.127
UFILHT	1	2.319428	1.656110	1.401
LFILHT	1	1.731772	1.095190	1.581

DEP VARIABLE: T TOTAL HOURS DOWNTIME

SOURCE	DF	SUM OF SQUARES	MEAN SQUARE	F VALUE	PROB>F
MODEL	29	51000145	1758626	2.206	0.0005
ERROR	356	283829328	797273		
C TOTAL	385	334829473			
ROOT MSE		892.902	R-SQUARE		0.1523
DFP MEAN		527.018	ADJ R-SQ		0.0833
C.V.		169.4252			

VARIABLE	DF	PARAMETER ESTIMATE	STANDARD ERROR	T FOR H0: PARAMETER=0
INTERCEE	1	741.509	2112.059	0.351
UICEFF01	1	-241.301	225.884	-1.113
UICEFF02	1	169.548	203.456	0.833
UICEFF03	1	2.163629	203.280	0.011
UICEFF04	1	351.922	208.898	1.685
UICEFF05	1	-31.538248	204.249	-0.154
UICEFF06	1	-271.318	208.437	-1.302
UICEFF07	1	537.812	207.381	2.593
UICEFF08	1	106.223	231.558	0.459
UICEFF09	1	567.165	188.569	3.114
UICEFF10	1	-395.162	193.568	-2.041
UICEFF11	1	-465.723	194.641	-2.495
UICEFF12	1	-335.080	185.618	-1.805
UICEFF13	1	156.004	197.041	0.792
UICEFF14	1	110.693	184.382	0.600
UICEFF15	1	86.629391	182.026	0.477
UICEFF16	1	-86.902055	179.628	-0.484
SERVICE	1	0.150378	0.097094	1.549
PREWENTY	1	206.143	202.059	1.020
OVERHAUL	1	-247.855	204.285	-1.213
DEPFIT	1	167.045	114.826	1.455
HSDGHT	1	-0.573155	5.783441	-0.099
AFOTHT	1	-6.272085	5.454050	-1.150
ENAGEHT	1	5.781911	112.978	0.051
PRAGEHT	1	-7.955388	54.102762	-0.147
PAYGRHT	1	-21.561188	140.840	-0.153
YRACLHT	1	-74.119441	93.278460	-0.795
TMEGRHT	1	10.706624	14.048522	0.762
UFILHT	1	2.480582	2.231834	1.111
LFILHT	1	0.503026	1.475918	0.612

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